DIGITAL VIDEO SURVEILLANCE RECORDER

WITH MOTION DETECTION AND AUDIO RECORDING

INSTRUCTION MANUAL

English Version 2.0

MODEL:

L114V SERIES

LOREX®

www.lorexcctv.com

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Thank you for purchasing the L114 Digital Video Surveillance Recorder. Lorex is committed to providing our customers with a high quality, reliable security product.

The L114 series offers excellent performance at a value price. This small form (9x12x2") surveillance DVR provides real time recording in quad mode and single channel, as well as audio recording and motion detection. The L114 also has a remote control and password protection.

To learn more about the DVR, and to learn about our complete range of accessory products, please visit our website at:

www.lorexcctv.com

CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION: TO REDUCE THE RICK OF ELECTRIC SHOCK DO NOT REMOVE COVER. NO USER SERVICABLE PARTS INSIDE.

REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the products ' enclosure that may be of sufficient magnitude to constitute a risk of electric shock

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE.

CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF THE PLUG TO THE WIDE SLOT AND FULLY INSERT.

Important Safeguards

In addition to the careful attention devoted to quality standards in the manufacture process of your video product, safety is a major factor in the design of every instrument. However, safety is your responsibility too. This sheet lists important information that will help to assure your enjoyment and proper use of the video product and accessory equipment. Please read them carefully before operating and using your video product.

Installation

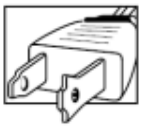
1. **Read and Follow Instructions -** All the safety and operating instructions should be read before the video product is operated. Follow all operating instructions.

2. **Retain Instructions -** The safety and operating instructions should be retained for future reference.

3. **Heed Warnings -** Comply with all warnings on the video product and in the operating instructions.

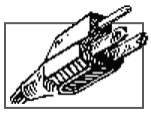
4. **Polarization -** Do not defeat the safety purpose of the polarized or grounding-type plug.

   A polarized plug has two blades with one wider than the other.

   A grounding type plug has two blades and a third grounding prong.

   The wide blade or the third prong are provided for your safety.

   If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet

5. .**Power Sources -** This video product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your location, consult your video dealer or local power company. For video products intended to operate from battery power, or other sources, refer to the operating instructions.

6. **Overloading -** Do not overload wall outlets of extension cords as this can result in the risk of fire or electric shock. Overloaded AC outlets, extension cords, frayed power cords, damaged or cracked wire insulation, and broken plugs are dangerous. They may result in a shock or fire hazard. Periodically examine the cord, and if its appearance indicates damage or deteriorated insulation, have it replaced by your service technician.

7. **Power-Cord Protection -** Power supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the video product.

8. **Ventilation -** Slots and openings in the case are provided for ventilation to ensure reliable operation of the video product and to protect it from overheating. These openings must not be blocked or covered. The openings should never be blocked by placing the video equipment on a bed, sofa, rug, or other similar surface. This video product should never be placed near or over a radiator or heat register. This video product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the video product manufacturer's instructions have been followed.

9. **Attachments -** Do not use attachments unless recommended by the video product manufacturer as they may cause a hazard.

10. **Water and Moisture -** Do not use this video product near water. For example, near a bath tub, wash bowl, kitchen sink or laundry tub, in a wet basement, near a swimming pool and the like.

    Caution: Maintain electrical safety. Powerline operated equipment or accessories connected to this unit should bear the UL listing mark of CSA certification mark on the accessory itself and should not be modified so as to defeat the safety features. This will help avoid any potential hazard from electrical shock or fire. If in doubt, contact qualified service personnel.

11. **Accessories** - Do not place this video equipment on an unstable cart, stand, tripod, or table. The video equipment may fall, causing serious damage to the video product. Use this video product only with a cart, stand, tripod, bracket, or table recommended by the manufacturer or sold with the video product. Any mounting of the product should follow the manufacturer's instructions and use a mounting accessory recommended by the manufacturer.

Service

13. **Servicing -** Do not attempt to service this video equipment yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

14. **Conditions Requiring Service** - Unplug this video product from the wall outlet and refer servicing to qualified service personnel under the following conditions.

    A. When the power supply cord or plug is damaged.

    B. If liquid has been spilled or objects have fallen into the video product.

    C. If the video product has been exposed to rain or water.

    D. If the video product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions. Improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the video product to its normal operation.

    E. If the video product has been dropped or the cabinet has been damaged.

    F. When the video product exhibits a distinct change in performance. This indicates a need for service.

15. **Replacement Parts -** When replacement parts are required, have the service technician verify that the replacements used have the same safety characteristics as the original parts. Use of replacements specified by the video product manufacturer can prevent fire, electric shock or other hazards.

16. **Safety Check** - Upon completion of any service or repairs to this video product, ask the service technician to perform safety checks recommended by the manufacturer to determine that the video product is in safe operating condition.

17. **Wall or Ceiling Mounting** - The cameras provided with this system should be mounted to a wall or ceiling only as instructed in this guide, using the provided mounting brackets.

18. **Heat** - The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.

Use

19. **Cleaning -** Unplug the video product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.

20. **Product and Cart Combination** - Video and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the video product and car combination to overturn.

21. **Object and Liquid Entry -** Never push objects for any kind into this video product through openings as they may touch dangerous voltage points or “short-out” parts that could result in a fire or electric shock. Never spill liquid of any kind on the video product.

22. **Lightning** - For added protection for this video product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the video product due to lightning and power line surges.

General Precautions

1. All warnings and instructions of this manual should be followed.
2. Remove the plug from the outlet before cleaning. Do not use liquid aerosol detergents. Use a water dampened cloth for cleaning.
3. Do not use this unit in humid or wet places.
4. Keep enough space around the unit for ventilation. Slots and openings in the storage cabinet should not be blocked.
5. During lightning storms, or when the unit is not used for a long time, disconnect the power supply, antenna, and cables to protect the unit from electrical surge.

FCC CLASS B NOTICE

Note

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not in-stalled and used in accordance with the instruction, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception (which can be determined by turning the equipment on and off), the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio or television technician for assistance

This equipment has been certified and found to comply with the limits regulated by FCC, EMC, and LVD. Therefore, it is designated to provide reasonable protection against interference and will not cause interference with other appliance usage.

However, it is imperative that the user follows this manuals guideline to avoid improper usage which may result in damage to the unit, electrical shock and fire hazard injury

In order to improve the feature functions and quality of this product, the specifications are subject to change without notice from time to time.

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Features

- **Simultaneous Recording and Playback**
- **Up to 60 fps recording speed**
- **Backup to USB flash drive**
- **Adjustable screen position**
- **Quad and single channel recording**
- **NTSC / PAL**
- **MJPEG video compression**
- **Motion Detection with Adjustable Time Duration**
- **Date / Time search**
- **Power Recovery and Auto-Restore Record Mode**
- **Audio Recording**

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Getting Started

The system comes with the following components:

1 X DVR

1 X POWER ADAPTOR
1 X POWER CABLE

1 X REMOTE CONTROL

INSTRUCTION MANUAL, QUICK START GUIDE, AND SOFTWARE CD

HARD DRIVE SIZE, NUMBER OF CHANNELS, AND CAMERA CONFIGURATION MAY VARY BY MODEL. PLEASE REFER TO YOUR PACKAGE FOR SPECIFIC CONTENT DETAILS.

CHECK YOUR PACKAGE TO CONFIRM THAT YOU HAVE RECEIVED THE COMPLETE SYSTEM, INCLUDING ALL COMPONENTS SHOWN ABOVE.

Basic Setup

1. Connect the Cameras

a. Connect up to four BNC cameras to the BNC (female) ports on the rear panel of the system.

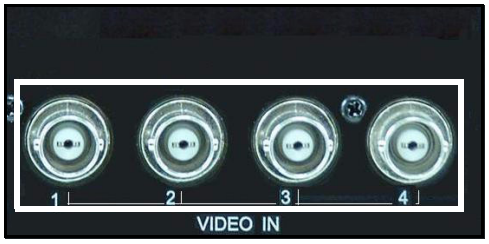


Figure 1.0 Connect up to four BNC cameras

2. Connect the Monitor

a. Connect the VGA cable from your monitor to the VGA port on the rear panel of the system.

3. Connect the Power Adaptor

a. Connect the power cable to the power adaptor.

b. Connect the power cable to the DC12V port on the rear panel of the system.

c. Connect the power adaptor to a wall outlet.

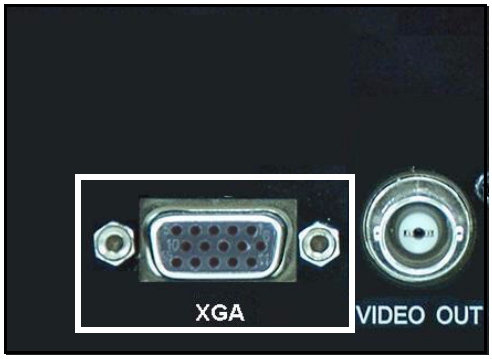
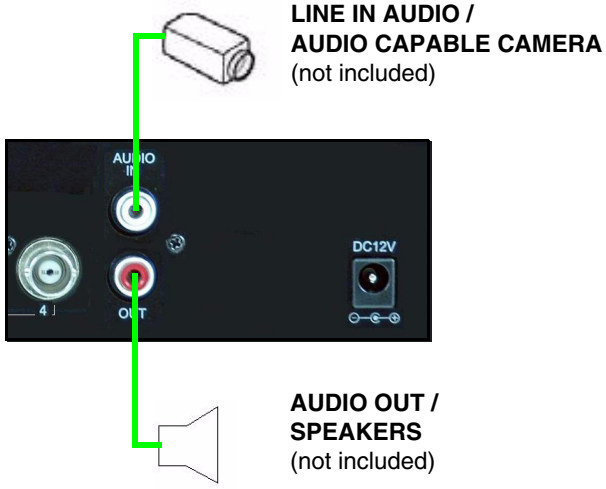


Figure 1.1 Connect a VGA monitor

Optional

You can connect line-in audio (RCA) from an audio capable camera or microphone (not included). Use the audio-out port (RCA) to connect speakers (not included).



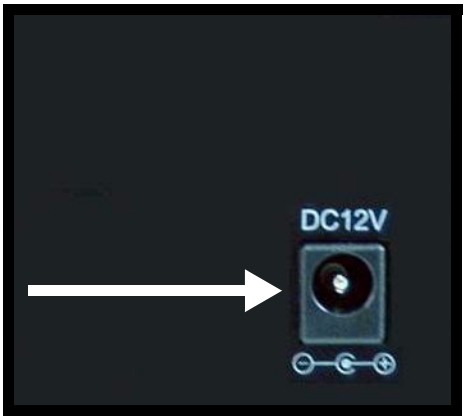
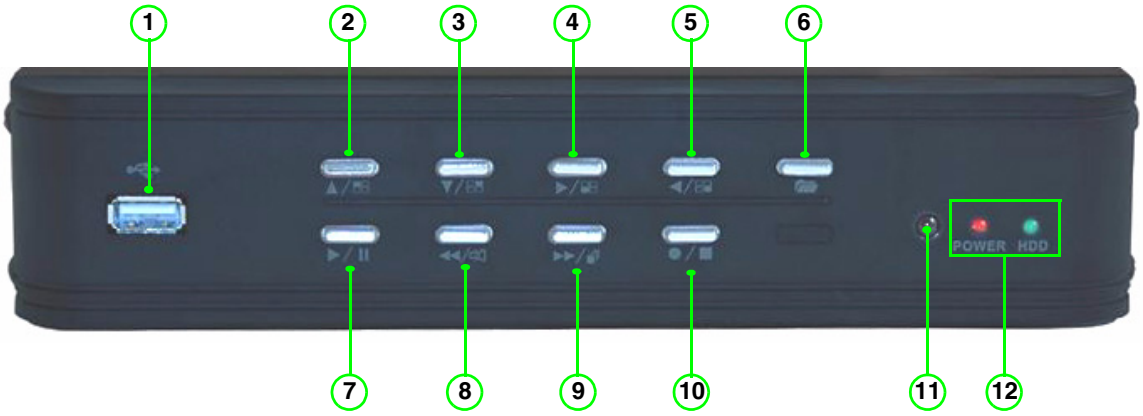


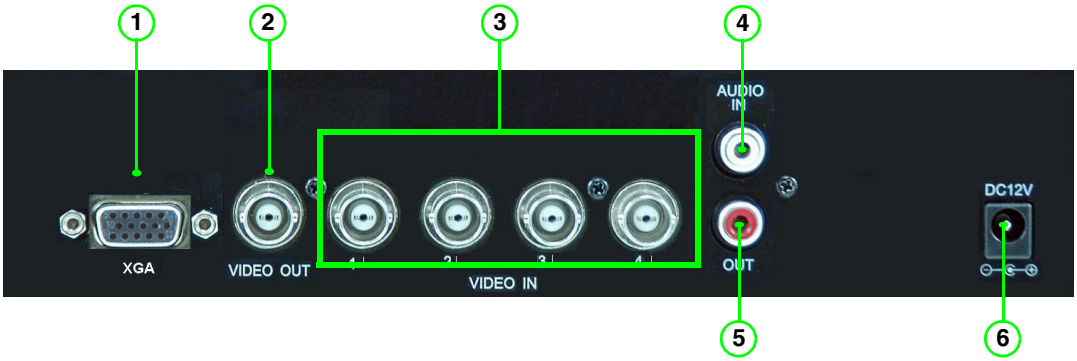
Figure 1.2 Connect the power cable

Front Panel



1. **USB 2.0 port**: Connect a USB flash drive for backup.
2. **Up / CH 1**: In menus, move cursor up; during live viewing, view channel 1 in full-screen.
3. **Down / CH 2**: In menus, move cursor down; during live viewing, view channel 2 in full-screen.
4. **Right / CH 3**: In menus, move cursor right; during live viewing, view channel 3 in full-screen.
5. **Left/ CH 4**: In menus, move cursor left; during live viewing, view channel 4 in full-screen.
6. **Menu**: Press to open system Menu; closes/exits options/menus.
7. **Play/Pause**: During live viewing, press to open the Event List and select a recorded event; during playback, press to play/pause video.
8. **Rew/Mute**: During playback, press to increase reverse playback speed (2X, 4X, 8X); in Live Mode, press to Mute/Unmute audio; in menus, press to enter/confirm selections.
9. **FF/Sequence**: During playback, press to increase forward playback speed (2X, 4X, 8X); during live viewing, press to start/stop Auto-Sequence mode (system displays each channel in full-screen in sequence).
10. **Record/Stop**: During playback, press to stop playback; during live viewing, press to start/stop manual recording (recording Schedule must be disabled).
11. **IR Receiver**: Receives infrared signal from the remote control.
12. **Power / HDD Indicators**: LED indicator for system power: when system is powered on, LED is red; LED indicator for internal hard disk: when in continuous recording mode, LED pulses green.

Rear Panel



1. **XGA**: Port to connect a VGA (VGA or XVGA output) monitor (not included).
2. **Video Out**: BNC (female) port to connect the system to a DVR or observation system.
3. **Video In:** BNC (female) inputs for cameras 1~4.
4. **Audio In**: RCA (female) port for audio recording (audio capable cameras or microphone).
5. **Audio Out**: RCA (female) port to connect the system to external speakers, a DVR, or an observation system
6. **DC 12V**: Power port for the included power adaptor.

Remote Control

The remote control is the primary input method for navigating the user interface of the system.

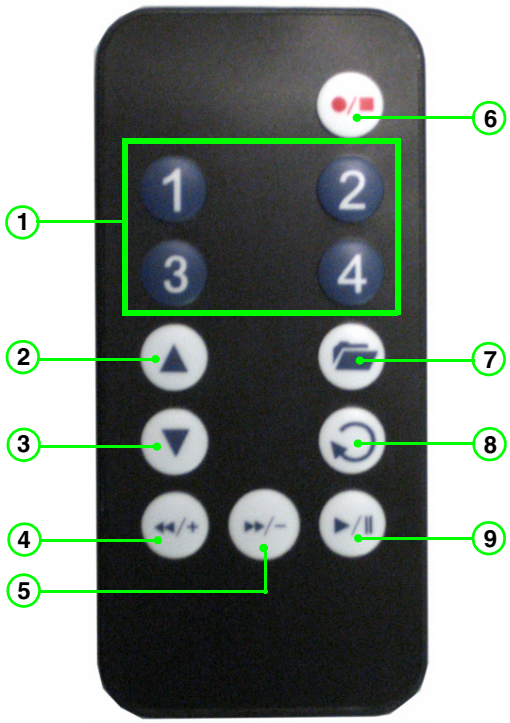


Figure 3.0 Remote Control

1. **CH 1~4**: During live viewing, press to view cameras 1~4 in single channel full-screen; press 4 to return to quad split-screen; during USB Backup, 1=Start Time, 2=End Time, 3=N/A, 4=Start backup.
2. ▲: Press to move cursor UP when navigating menus or while in Search mode.
3. ▼: Press to move cursor DOWN when navigating menus or while in Search mode.
4. ◀◀/+: During playback, press to increase reverse playback speed (2X, 4X, 8X); press to mute/ unmute volume to a connect audio output device; in the Event List, press to switch pages.
5. ▶▶/-: During playback, press to increase forward playback speed (2X, 4X, 8X); in the Event List, press to switch pages.
6. ●/■: Start/stop manual recording—recording schedule must be disabled.
7. **MENU**: Press to open system menu; closes/exits options/menus; during playback, press to open USB Backup menu.
8. **ENTER**: Confirm menu selections; during playback of saved video.
9. ▶ / ❚❚ : During playback, press to play/pause video; during live viewing, press to open the Event List; in the Event List, press to playback selected file.

Menu Navigation Tips & Tricks

When navigating the system menus with the remote control, the following buttons are most commonly used on the remote control:

- 1 / ▲ : Move cursor **UP**
- 2 / ▼ : Move cursor **DOWN**
- 3 / ▶▶/- : Move cursor **RIGHT**
- 4 / ◀◀/+ : Move cursor **LEFT**
- : Confirm selection
- : Close/exit options/menus.

ATTENTION: This manual refers to basic navigation (up, down, left, right) as ▲▼◀▶. You can use buttons **1~4** and the ▲▼◀◀ ▶▶ buttons for basic navigation.

Installing Cameras

Before you install the camera, carefully plan where and how it will be positioned, and where you will route the cable that connects the camera to the DVR or observation system.

Installation Warning

- Select a location for the camera that provides a clear view of the area you want to monitor, which is free from dust, and is not in line-of-sight to a strong light source or direct sunlight.
- Plan the cables' route so that it is not close to power or telephone lines, transformers, microwave ovens or other electrical equipment that could interfere with the DVR.
- Select a location for the camera that has an ambient temperature between 14°F~113°F (-10°C~45°C).
- If you plan to install the camera in a location that has conditions not recommended in this manual, consult with a professional installer and consider use of a separate camera cover or housing.
- Before starting permanent installation, have another person hold the camera for you while you verify its performance by observing the image on a monitor.

Assembling the Camera Stand

To assemble the camera stand:

1. Attach the pedestal to the ceiling, wall, or other surface by the base using the provided screws.
2. Attach the camera to the pedestal. Adjust the angle of the camera, and tighten the thumbscrew to set the position.

   Note: You can attach the camera to the stand using the screw point on the top or the bottom of the camera (to maintain proper camera alignment). This prevents the image from becoming inverted.

Figure 4.0 Attach camera to base

Connecting BNC Cameras

Use a BNC/Power extension cable (not included) to connect your BNC cameras to a monitor, DVR, or observation system and power source.

To connect the extension cable:

1. Connect the extension cable to the camera:
   - Connect the BNC cable to the camera.
   - Connect the power cable (male) to the camera.
2. Connect the extension cable to the DVR/ monitor/observation system:
   - Connect the BNC cable to BNC port (female) on the DVR.
   - Connect the power cable to a power adaptor.

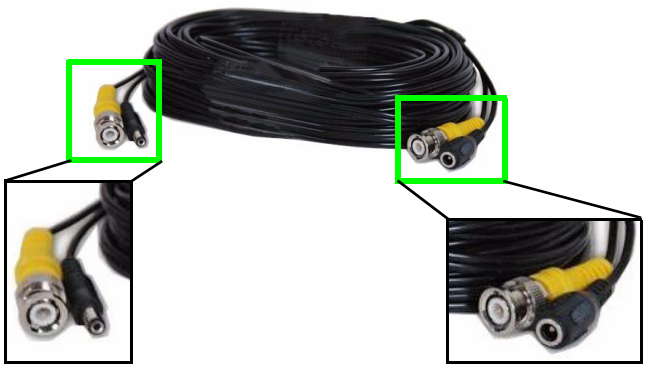


Figure 5.0 Male and female ends of BNC/Power extension cable

ATTENTION - The ends of the extension cable are *NOT THE SAME*: one end has a male connector and the other end has a female connector. Before permanaently running the cable, make sure you have oriented the extension cable correctly between the camera and the DVR, monitor, or observation system.

Power cable—male: Connect the male power cable to the camera.

Power cable—female: Connect the female power cable to the power adaptor.

Camera Connections

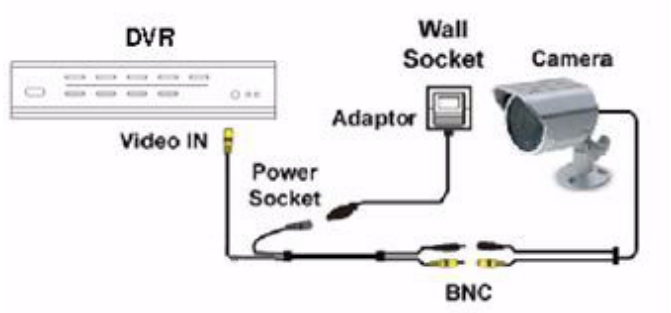


Figure 5.1 Full connectivity diagram

Starting the System

To power the system On/Off:

- Connect the **power cable** to the DC 12V port on the rear panel of the system

Note: Make sure all cameras and cables are properly connected prior to powering on the system.

At startup, the system performs a basic system check and runs an initial loading sequence. After a few moments, the system loads a live Quad split-screen display view—Live Viewing: you can also view in full-screen single channel. See “Display Modes” on page 9.

Camera Title, Status Icons, and Date / Time bar appear on the On-Screen Display.

Figure 6.0 Live viewing with on-screen display

1. **Camera Title**: CH1~4 appears in the top-left corner of each channel.
2. **Main Display**: Displays both full-screen single channel and Quad split-screen.
3. **Status Icons**: Status icons for Motion recording and Video Loss.
4. **Motion Alarm Icon**: Icon for triggered motion alarm.
5. **Recording Icon**: Shown during active recording (manual and scheduled recording).
6. **Date / Time**:Year/month/day and hour/minute/second appear in a black bar in the bottom-left corner of the main display screen.

On-Screen Display

The following makeup the on-screen display of the system:

- **Recording**: Indicates active recording on each channel (manual and scheduled recording).
- **Motion**: Indicates motion recording or motion detected on active channel.
- **Motion Alarm**: Indicates motion has been detected on active channel.

  Note: Sensitivity *and* Alarm Duration must be enabled for the selected channel.
- **Video Loss**: Indicates that a camera is not connected or has been disconnected.
- **Date / Time bar**: The date appears as yyyy/mm/dd; the time appears as hh/mm/ss.

  Note: You cannot change the date and time format.

2008/11/20 10:32:30

Display Modes

The system can display channels in full-screen single channel and quad split-screen. It also features an Auto Sequence Mode, where all four channels are displayed in sequence in full-screen.

Note: By default, the system loads the quad split-screen at startup.

To change display modes:

1. Press buttons 1 2 3 4 on the remote control to view each respective channel in full-screen.
2. Press the 4 button to return to Quad split-screen.

Single Channel Full-Screen

Quad Split-Screen

Figure 6.1 Display modes

Auto Sequence Mode

In Auto Sequence Mode, the system automatically switches between full-screen channels 1~4 in sequence.

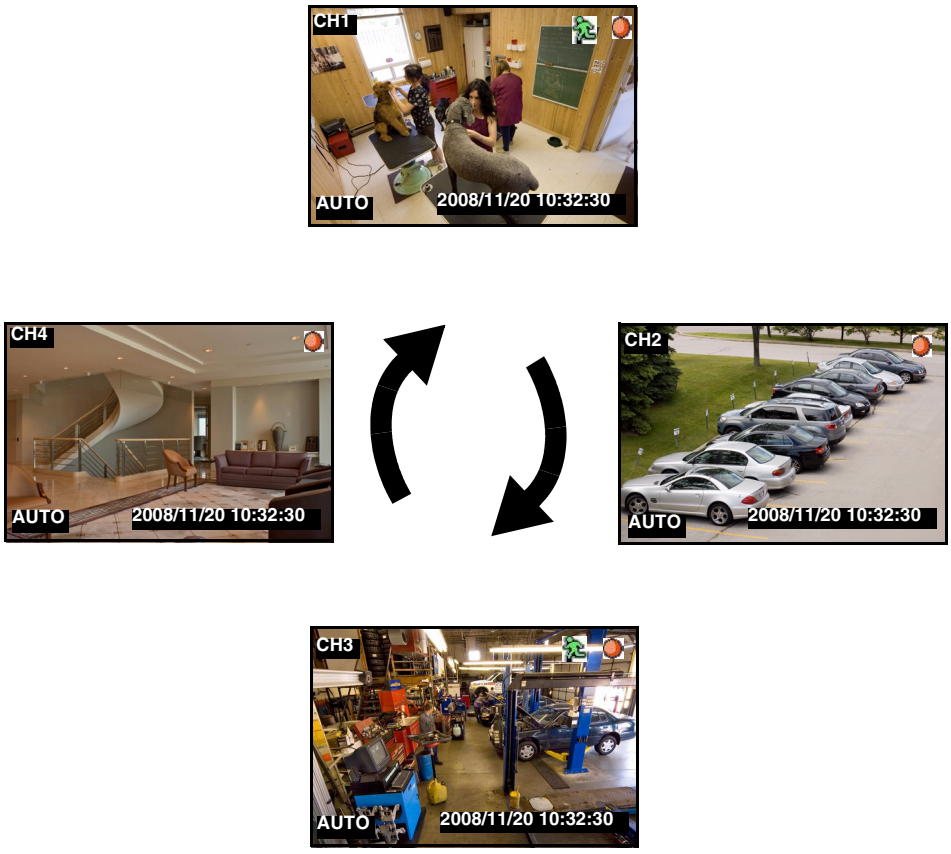


Figure 6.2 Auto Sequence Mode

To enable/disable Auto Sequence Mode:

1. Press the button on the front panel. "AUTO" appears in the bottom-right corner of the main display screen; the system begins displaying full-screen channels in sequence.

   Note: Auto Sequence can be started in both full-screen single channel and quad split-screen modes.

2. Press the button again to stop Auto Sequence Mode. By default, the system returns to quad split-screen mode.

You can customize the dwell time for Auto Sequence mode. For more details, see “Screen” on page 23.

Logging in to the System

You must login to the system with a 6-character password every time you access the system Setup Menu.

ATTENTION: The default system password is **111111**

Entering Your Password

If your press the button on the front panel or on the remote control, the password screen will appear.

To enter your password:

1. Press the following buttons on the remote control to move the cursor and input selections:

   - 1 / : Move cursor UP
   - 2 / : Move cursor DOWN
   - 3 / : Move cursor RIGHT
   - 4 / : Move cursor LEFT
   - : Confirm selection

2. Select **Shift** and press to change to uppercase characters and symbols.

3. Select **+** and press to delete/backspace.

4. When finished, select Enter and press .

For more details on changing your password, see “Password Change” on page 25.

Setting the Date and Time

It is highly recommended to immediately set the date and time when first setting up your system.

To set the date and time:

1. Click to open the Setup Menu. Login with your system password (by default, **111111)**.
2. Select **System** and press .
3. Select **Time Set** and press . The Time Set menu appears.

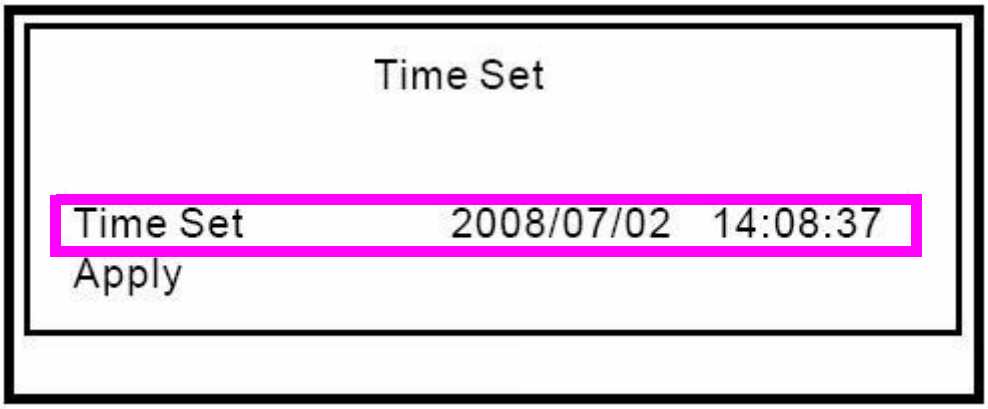


Figure 6.3 Time Set screen

4. Under Time Set, press ◀▶ to select the date and time (**yyyy/mm/dd** and **hh/mm/ss**) and press ▲▼to change values.
5. Press and then select Apply and press . The new time is saved.
6. Press repeatedly to exit all menus.

Recording

By default, the system is set to immediately record video from connected cameras in continuous Time Record Mode.

The system automatically records and saves events in 4-hour blocks. Active recording is indicated by the red Record Icon in the top-right corner of each channel.

Figure 7.0 Recording on all four channels

Motion Recording

You can configure the system to only record when motion is detected on selected cameras. Motion Recording is indicated by the green Motion Icon in the top-right corner of the channel.

You can configure both Time Recording and Motion Recording in the Record Schedule in the Setup Menu. See “Record” on page 21.

Manual Recording

Press on the remote control or press on the front panel to start/stop manual recording on all four channels.

> **Note:** "*No Recording*" must be selected in the Record Schedule in order to use manual recording. See “Record” on page 21.

Recording Audio

The system can record one audio channels. You must have audio enabled cameras or microphones connected to the system in order to use this function.

Playback

View recorded video on the system through playback mode.

Figure 8.0 Playback display view

To begin playback:

1. Press ⏯. The Event List opens. For more details, see “Event List” on page 17.

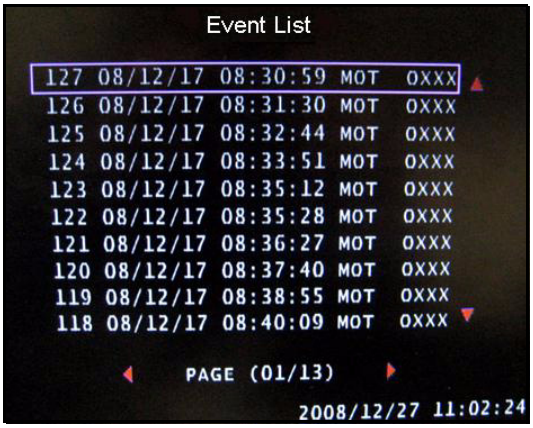


Figure 8.1 Event List

2. Press ▲▼ to select a record event from the list (press ◀▶ to turn pages) and press ⏯. Playback begins for the selected event.

   Note: Please allow a few seconds for the event file to load.

3. During playback, you have access to the following:

- : Press to pause playback; press again to resume playback
- : Click to increase reverse playback speed (2X, 4X, 8X).
- : Click to increase forward playback speed (2X, 4X, 8X).

Figure 8.2 Icons for 8X reverse playback

4. Press to stop playback.

During playback, you can select start/stop times for a selected clip and backup the data to a USB flash drive (not included). For more details on USB Backup, see “USB Backup” on page 27.

Searching for Recorded Video

You can search for recorded video on the system using Time Search or the Event List.

Time Search

Use Time Search to manually select a time for the system to search for record video.

To use Time Search:

1. Press to open the Setup Menu. Login with your system password (by default, **111111**).
2. From the Setup Menu, select **Search** and press . The Time Search menu opens.

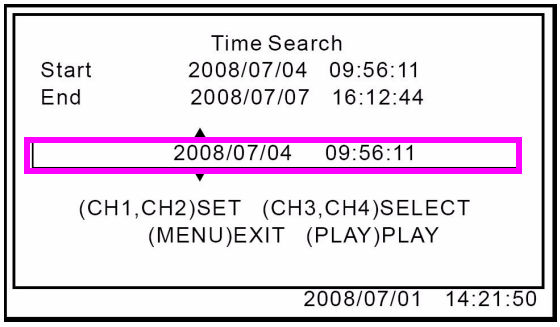


Figure 9.0 Time Search menu

3. Press ◀▶ to select the date and time (**yyyy/mm/dd** and **hh/mm/ss**) and press ▲▼ to change values.
4. Press . Playback begins for the selected time.

   Note: Please allow a few moments for the system to search for the requested data.
5. During playback, you have access to the following:
   - : Press to pause playback; press again to resume playback
   - : Click to increase reverse playback speed (2X, 4X, 8X).
   - : Click to increase forward playback speed (2X, 4X, 8X
6. Press to stop playback.

Event List

You can also search for recorded video data by using the Event List.

Note: The Event List contains events which have occured over the last 4 hours.

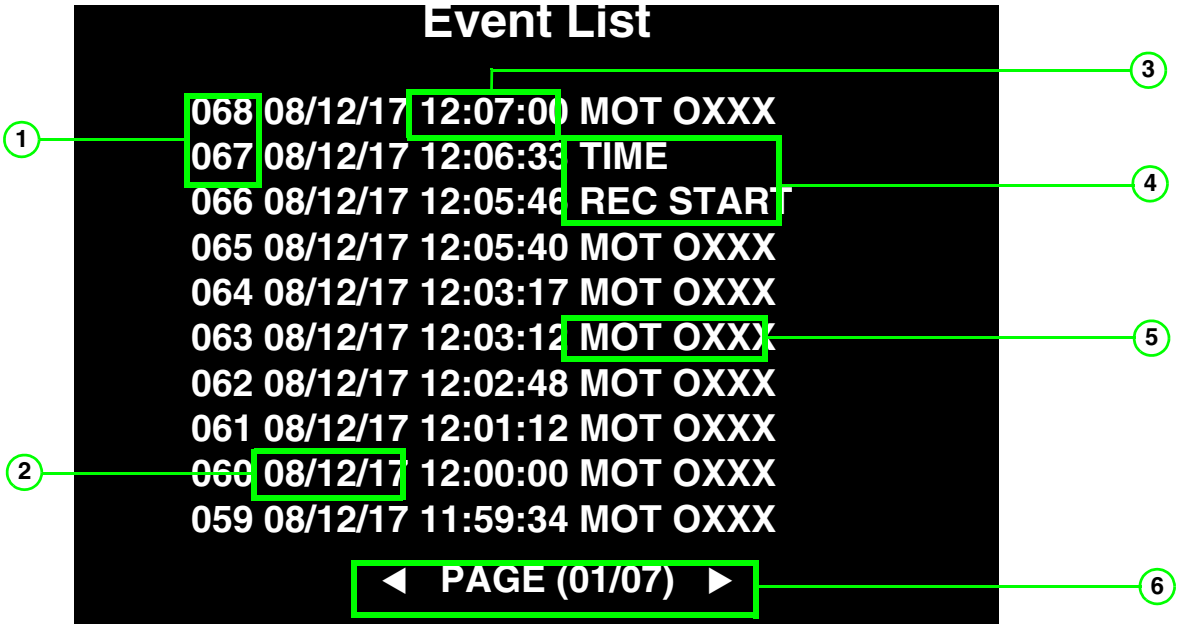


Figure 9.1 Event List

1. **Event Number**: The system tags each event with a number; the highest number indicates the most recent event.
2. **Date**: The date the event occured (yy/mm/dd).
3. **Time**: The time the event occured (hh/mm/ss).
4. **Message**: System messages for particular instances:
   - **REC START**: Recording started on the system
   - **REC STOP**: Recording stopped on the system.
   - **TIME**: time changed on system's internal clock (the system saves a 4-hour block for each recorded event).
   - **POWER ON**: The system has been powered on.
5. **MOT Status**: Motion status for channels 1~4. 0 = motion detection enabled; X = motion detetction disabled.
6. **Page**: There are ten events for page; press ◀▶ to turn pages in the Event List.

To use the Event List:

1. Press ▶/II. The Event List opens.
2. Press ▲▼ to select a record event from the list (press ◀▶ to turn pages) and press ▶/II. Playback begins for the selected event.

   Note: Please allow a few seconds for the event file to load.
3. During playback, you have access to the following:
   - ▶/II: Press to pause playback; press again to resume playback
   - ◀◀/+: Click to increase reverse playback speed (2X, 4X, 8X).
   - ▶▶/-: Click to increase forward playback speed (2X, 4X, 8X).

Figure 9.2 Playback from Event List

4. Press ●/■ to stop playback.

During playback (from Time Search or from the Event List), you can select start/stop times for a selected clip and backup the data to a USB flash drive (not included). For more details on USB Backup, see “USB Backup” on page 27.

Using the Setup Menu

The Setup menu allows you to configure various settings on the system, including date/time, camera settings, and motion detection.

To open the Setup menu:

- Press . You must login with your system password (by default, **111111**).

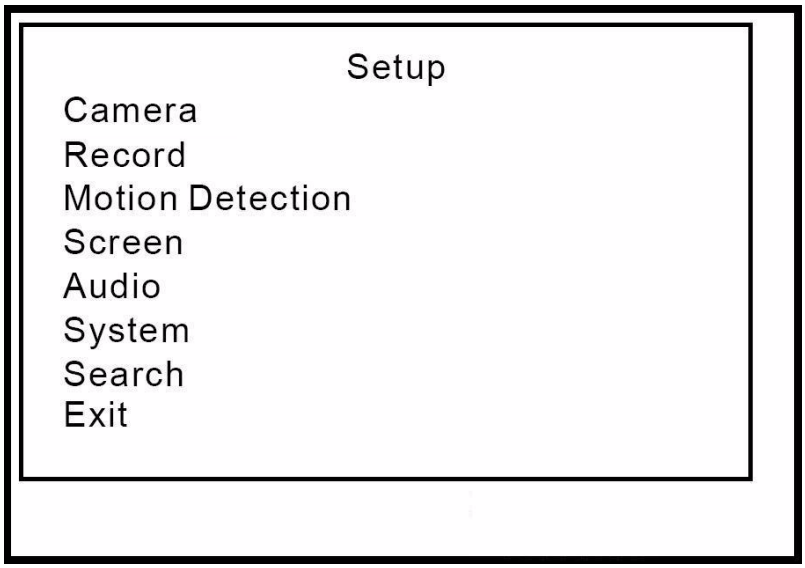


Figure 10.0 Setup Menu

The Setup Menu contains the following options:

- **Camera**
- **Record**
- **Motion Detection**
- **Screen**
- **Audio**
- **System**
- **Search**
- **Exit**

TIP!

When navigating menus:

- Press ▲▼ to select options.
- Press or ◀▶ to confirm selections.

Camera

Configure settings for each camera and enable/disable display on the main display screen (covert display).

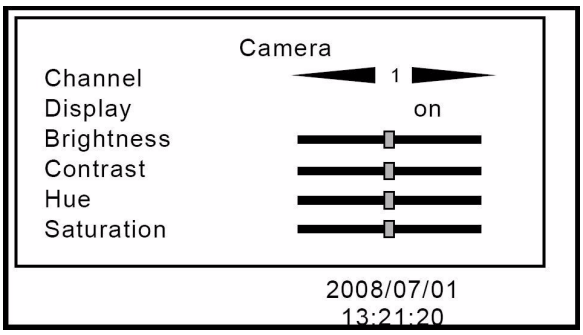


Figure 11.0 Camera menu

To configure camera settings:

1. From the Setup Menu, select **Camera** and press . The Camera menu opens.
2. Under Channel, press ◀▶ to select camera **1, 2**, **3**, or **4**.
3. Select the following options and press ◀▶ to increase/decrease the sliders:
   - **Brightness**
   - **Contrast**
   - **Hue**
   - **Saturation**
4. Press until the Exit menu appears.

   Select **Save & Exit** and press to save your settings.

Covert Channel Display

You can turn off a channel from the main display screen from the system Main Menu. Use this function as a covert camera display.

Figure 11.1 Diabled/covert camera display

To enable/disable covert camera display:

1. From the Camera menu, select **Channel** and press ◀▶ to channel **1~4**.
2. Select **Display** and press ◀▶ to select **On**/**Off**.
3. Press until the Exit menu appears.

   Select **Save & Exit** and press to save your settings. The disabled channel will appear black.

TIP!

If your monitor is in a public viewing area, use the disable display feature for covert recording. The system will continue to record from the connected camera, but the display on the monitor gives the appearance that a camera is not connected

Record

Set record speed, quality, record schedule and recording duration for triggered events.

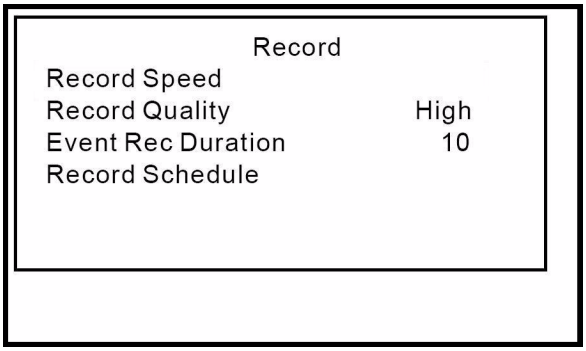


Figure 12.0 Record Menu

To configure record settings:

1. From the Setup Menu, select **Record** and press . The Record menu opens.
2. Select the following options and press ◀▶ to configure settings:

   • **Record Speed**:

   Select channels 1~4 and press ◀▶ to set the frames per second (FPS) for each channel. NTSC: by default, 15 fps; max. 60 fps. PAL: by default, 12 fps, max. 50 fps.

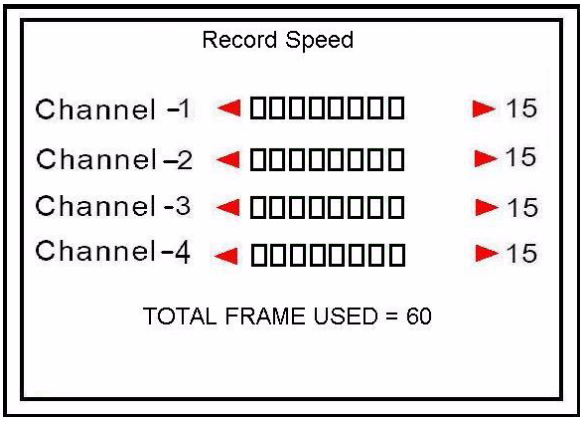


Figure 12.1 Record Speed menu

• **Record Quality**:

Set as **Normal**, **High**, or **Highest**.

• **Event Rec Duration**:

Event Record Duration is the length of time the system will record when motion is detected on a selected camera. Set from **5**, **10**, **15**, **20**, **25**, or **30** seconds (by default, 10 seconds).

• **Record Schedule**:

Press ◀▶ to select each hour from 0~23. Press ▲▼ to set the record method (**Red**=Time/Continuous Recording, **Green**=Motion Recording, **Grey**=No recording).

Note: In order to use Manual Recording, you must apply "No Recording" to a selected hour block in the record Schedule.

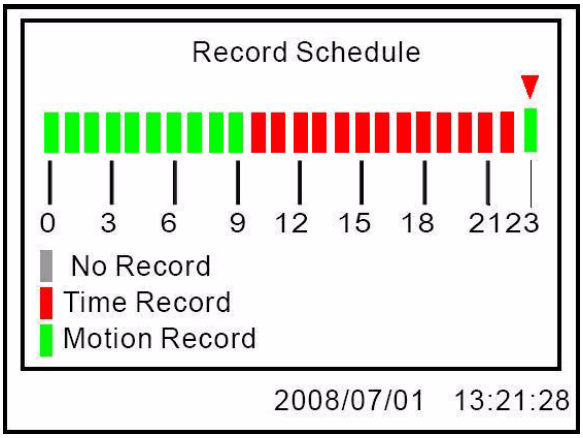


Figure 12.2 Record Schedule

3. Press until the Exit menu appears.

   Select **Save & Exit** and press to save your settings.

Motion Detection

Configure settings for motion sensitivity, motion grid, and the motion alarm for channels 1~4.

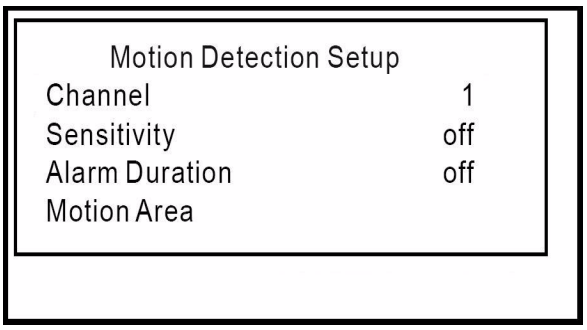


Figure 13.0 Motion Detection Setup menu

To apply motion detection:

1. From the Setup Menu, select **Motion Detection** and press . The Motion Detection Setup menu opens.
2. Select **Channel**, and press ◀▶ to select channels **1~4**.
3. Select **Sensitivity** and press ◀▶ to select **1~4**, or **Off** (1=lowest sensitivity, 4=highest sensitivity).
4. Select **Alarm Duration** and press ◀▶ to select **5**, **10**, **15**, **20**, **25**, **30**, **CONT** (continuous), or **Off**.

   Note: Alarm Duration enables a buzzer to accompany motion detection. Set the time (in seconds) for the buzzer to sound when motion is detected on a selected camera.

5. Press until the Exit menu appears. Select **Save & Exit** and press to save your settings.

Note: Sensitivity and Alarm Duration must be enabled in order to see the Alarm icon when motion is detected on a selected channel.

Motion Area

Motion Area allows you set the specific area of the channel for motion detection. This can be useful in both high traffic and static areas.

ATTENTION: The Motion Area can only be set using the buttons on the *front panel*.

Figure 13.1 Motion Area

To configure the motion area:

1. From the Setup Menu, select **Motion Detection** and press . The Motion Detection Setup menu opens.
2. Select **Motion Area** and press .
3. Press ▲▼◀▶ to move the cursor to a desired area. Press to set the cursor.
4. Press ▲▼◀▶ to apply the **blue motion area**. When finished, press to set.
5. Press until the Exit menu appears. Select **Save & Exit** and press to save your settings.

Screen

Use the Screen menu to set resolutions, turn the channel border on/off, adjust the main display position, and set the dwell time for Auto Sequence Mode..

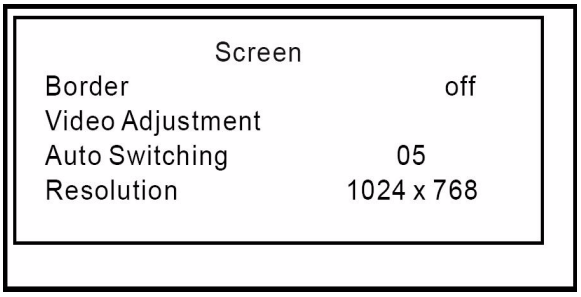


Figure 14.0 Screen menu

To configure screen settings:

1. From the Setup Menu, select **Screen** and press . The Screen menu opens.
2. Select **Border** and press ◀▶ to select **On**/**Off**. If On, a white border appears in Quad mode dividing the quadrants of the main display screen.
3. Select **Video Adjustment** and press ◀▶. The menu disappears. Press ▲▼◀▶ to adjust the vertical and horizontal position of the main display.
4. Select **Auto Switching** and press ◀▶ to set the dwell time for Auto Sequence mode from **1~10 seconds** or **Off**. The higher the time, the longer the single channel will remain on-screen during Auto Sequence mode.
5. Select **Resolution** and press ◀▶ to set the display resolution at **640x480**, **800x600**, **1024x768** (default), or **1280x1024**.
6. Press until the Exit menu appears.

   Select **Save & Exit** and press to save your settings.

Audio

Use the Audio menu to enable/disable audio recording, change audio input/output volume, and enable/disable mute.

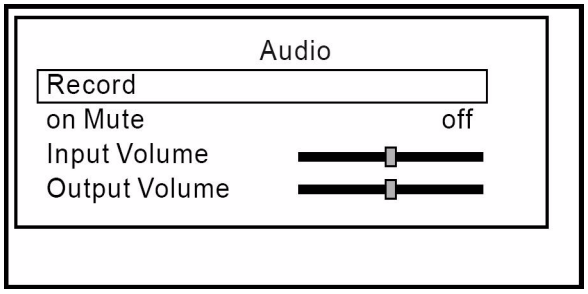


Figure 15.0 Audio menu

To configure audio settings:

1. From the Setup Menu, select **Audio** and press . The Audio menu opens.
2. Select **Record** and press ◀▶ to turn audio recording **On**/**Off**.

   Note: If audio recording is enabled, you *must* connect line-in audio (RCA) to the Audio-In port on the rear panel of the system.
3. Select **Mute** and press ◀▶ to Mute On/ Off. If off, *all* audio on the system will be disabled (input and output).
4. Select **Input Volume** and press ◀▶ to increase/decrease the slider.
5. Select **Output Volume** and press ◀▶ to increase/decrease the slider.
6. Press until the Exit menu appears.

   Select **Save & Exit** and press to save your settings.

System

Use the Sytem menu to configure the internal hard drive, change your password, set the date/time, view the event list, enable/disable the video loss alarm, and upgrade system firmware.

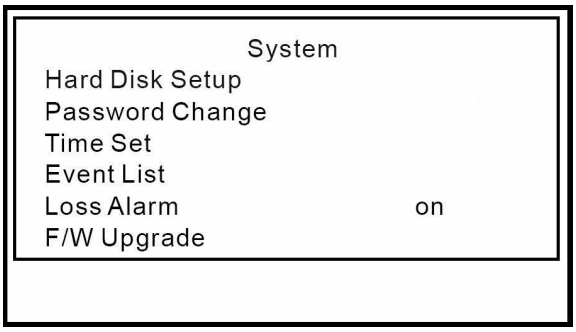


Figure 16.0 System menu

To configure system settings:

- From the Setup Menu, select **System** and press . The System menu opens.

Hard Disk Setup

The Hard Disk Setup menu displays the size of the internal hard drive (Disk 0) and amount of drive space currently consumed (in MB).

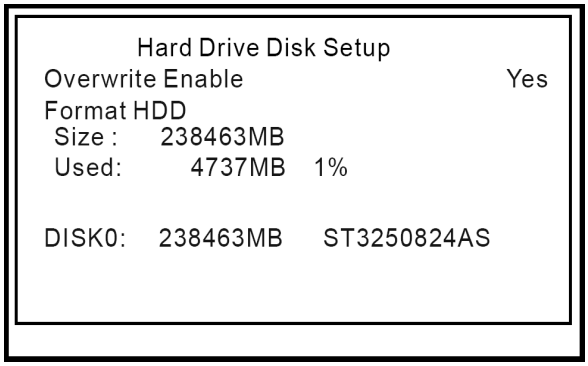


Figure 16.1 Hard Disk Setup menu

Use Hard Disk Setup to enable/disable disk overwrite.

Overwrite Enable

- From the Hard Disk Setup menu, select **Overwrite Enable** and press ◀▶ to select **Yes** or **No**.

Note: If *Yes*, the system will overwrite the oldest recorded video data on the hard drive once the hard drive is full (the system stores the last 4 hours of any recorded event). If *No*, the system will prompt you that the hard drive is full and will stop recording.

Format HDD

Use Hard Disk Setup to format the internal hard drive.

Note: You must stop recording before attempting to format the hard drive.

ATTENTION: Formatting *erases all recorded video data* on the hard drive. Formatting **cannot be undone.** System settings are not affected by fornatting.

To format the hard drive:

1. Select **Format HDD** and press ◀▶.

   Note: If you have not already stopped recording, you will be prompted to press **CH4**(◀) to stop recording prior to formatting.

2. Enter your **6-character system password**. The system begins formatting the hard drive. This could take several moments depending on the size of your system's hard drive.

Once formatting is complete, the system will return to Live Mode.

Password Change

Use Hard Disk Setup to change your system password (by default, **111111**).

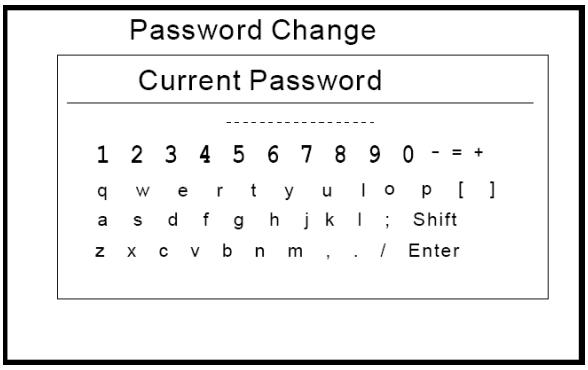


Figure 16.2 Password Change screen

To change your system password:

1. From the Hard Disk Setup menu, select **Password Change** and press ◀▶.
2. Enter your current password.

   Note: Enter your new **6-character password**. Select **Shift** to view uppercase characters and symbols.

3. Re-enter your new **6-character password** to confirm. The password screen closes and returns you to the System menu.
4. Press until the Exit menu appears.

   Select **Save & Exit** and press to save your settings.

ATTENTION: You *must* save your settings from the Exit menu for your new password to take effect.

Time Set

You should always set the date and time when first starting up the system. For details on setting the time, see “Setting the Date and Time” on page 12.

Event List

You can access the Event List from the System menu. For more details on using the Event List, see “Event List” on page 17.

Loss Alarm

Enable/disable the buzzer when a camera is disconnected.

To enable/disable the loss alarm:

1. From the System menu, select **Loss Alarm** and press ◀▶ to select On/Off.

   Note: If *On*, a short buzzer will sound if a camera is disconnected; the loss icon will also appear in the top-right corner of the affected channel. If *Off*, the buzzer will not sound, but the loss icon will appear in the top-right corner of the affected channel.

F/W Upgrade

Firmware upgrades can provide improved functionality to your system. You can download these free upgrades from www.lorexcctv.com

Note: You must disable recording on the system prior to updating the firmware.

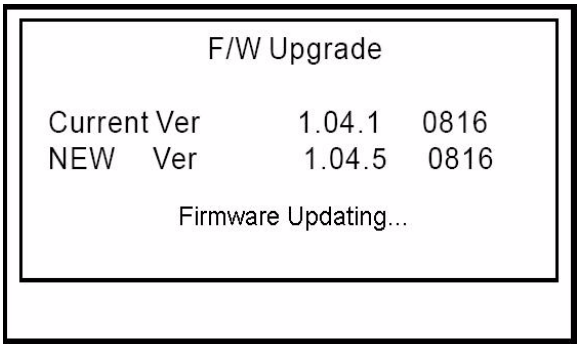


Figure 16.3 Firmware upgrade screen

To upgrade firmware:

1. Download the update from www.lorexcctv.com to your PC. The firmware carries the file extension, `.FWI`

2. Connect a USB flash drive to your PC. Copy the `.FWI` file to the connect USB flash drive.
3. Connect the USB flash drive to the USB port on the front panel of the system
4. Open the Setup menu. Login with your system password (by default 111111).
5. From the Setup menu select **System** and press ◀▶.

   Note: The current firmware version appears under F/W Update in the System menu.

6. Select **F/W Update** and press ◀▶.

   Note: If you have not already stopped recording, the system will prompt you to press 4 to stop recording.

7. Press ▶/II to start the firmware update. The screen closes and the system updates the firmware automatically. Please allow **3 minutes** for the update to take place.

ATTENTION: DO NOT operate the system or remove the USB flash drive while the update is in progress.

8. Disconnect and then re-connect the power cable from the rear panel to reset the system. Remove the USB flash drive. The new firmware version should appear in the top-left corner of the initial loading screen.

Search

You can search for recorded video on your system according to a specific time. For more details on using Time Search, see “Searching for Recorded Video” on page 16.

Exit

Use the Exit menu to save changes to system settings and load factory defaults.

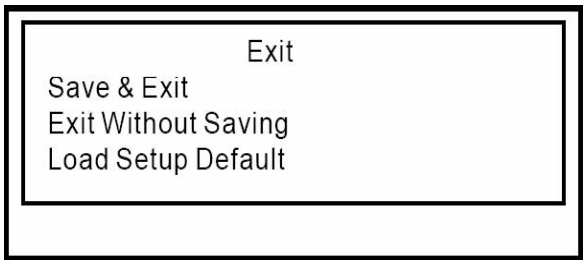


Figure 16.4 Exit menu

To open the Exit menu and save your changes:

1. From any open system menu, press 📂 until the Exit menu appears.

   OR

1. From the System menu, select **Exit** and press ◀▶.

2. Select **Save & Exit** and press ↻ to save your settings.

Load Setup Default

You can restore your system to factory settings from the Exit menu.

To load factory settings:

1. From the Main Menu, select **System** and press ↻. The System menu opens.
2. Select **Exit** and press ◀▶.
3. From the Exit menu, select **Load Setup Default** and press ◀▶. The system immediately begins restoring the system to factory settings.

USB Backup

You can backup recorded video data from the system to a USB flash drive (not included). You can access USB Backup through direct Playback, or through Search and Event List in the system menus.

Note: You must connect a USB flash drive to the USB port on the front panel in order to use USB Backup.

To open USB Backup:

Playback

1. Press the button to open the Event List.
2. Select a file and press to begin playback.
3. Press . The USB Backup screen opens.

OR

Search

1. Open the Setup menu. Login with your system password (by default, **111111**).
2. Select **Search** and press . The Time Search screen opens.
3. Enter a **Start** and **End Time** and press to begin playback.
4. Press . The USB Backup screen opens.

OR

Event List (System Menu)

1. Open the System Menu, select **Event List** and press .
2. Select a file and press to begin playback.
3. Press . The USB Backup screen opens.

Using USB Backup

To use USB Backup:

1. Connect a USB flash drive to the USB port on the front panel.
2. Begin Playback through direct Playback, Search, or the Event List.
3. During playback, press . The USB Backup screen opens.
4. Press 1 to set a Start Time. You can pause/play video, and increase/decrease playback speeds.
5. Press 2 to set a Stop Time. The size of the backup file appears.
6. Press 4 to start backup. The system scans the USB flash drive.

   Note: If there is not enough space on the USB flash drive, the following message will appear: "CAPACITY IS NOT ENOUGH."

7. Press 4 again to copy data to the USB flash drive. The system displays the estimated time remainng for file transfer.
8. Once the system displays the message "COMPLETE, press to exit the Backup menu.

   Note: Copied video files are saved as `.VVF` files.

Lorex Client Software

The system comes with the Lorex Client application that lets you playback video files you have saved to a USB flash drive (not included)..

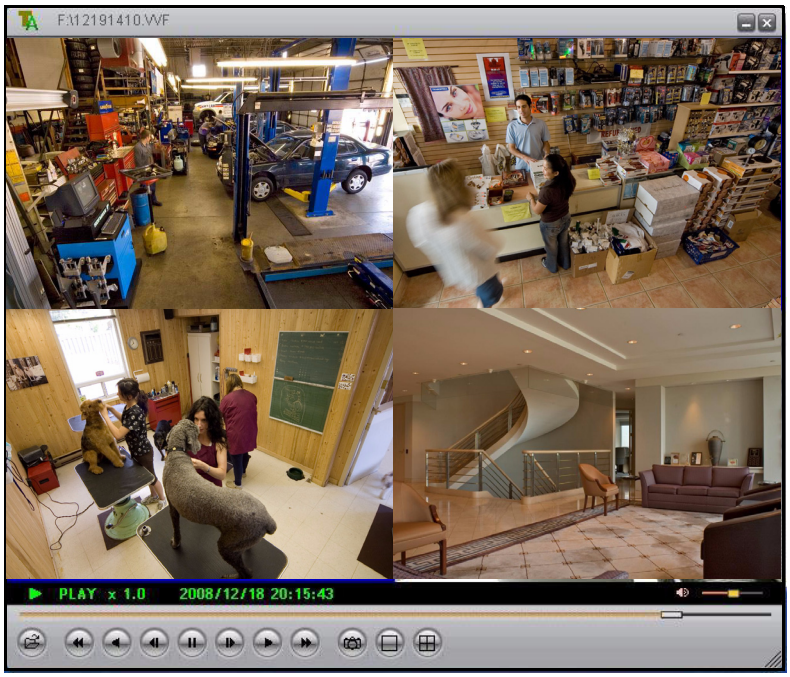


Figure 17.0 DVR Viewer main window

System Requirements

Prior to using Lorex Client, make sure your PC meets or exceeds the following system requirements:

	Requirement
CPU	Pentium™ 4 or above
Operating System	Windows XP/Vista
Memory	512 MB RAM
Video	16 MB of video memory

Using Lorex Client

Prior to using Lorex Client, make sure you have copied video data from the system to a USB flash drive (not included).

Launching Lorex Client

To open DVR Viewer:

1. Insert the software CD included with your system into your PC's CD-ROM or DVD-R/RW drive.
2. Double-click the file, **`VVF Player.exe`**. DVR Viewer opens.

   Note: You can also copy this file to your PC.

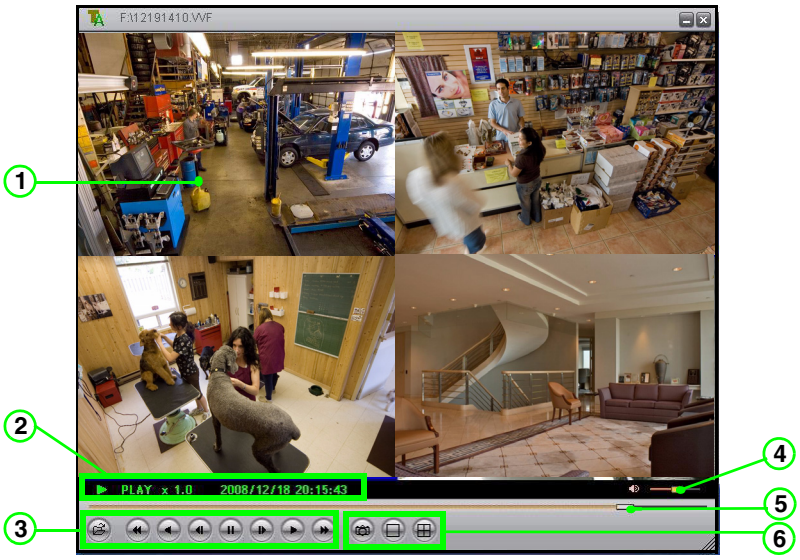


Figure 18.0 Lorex Client main screen

1. **Main Display Screen**: Displays video in single channel and Quad mode.
2. **Display Information**: Shows playback speed and date/stamp.
3. **Control Buttons**: Primary control buttons include the following:

   - : Click to open a saved video file (`.VVF`).
   - : Increase reverse playback speed (2X, 4X, 8X).
   - : Rewind one frame and pause.
   - : Click to pause playback.
   - : Advance one frame and pause.
   - : Click to start forward playback.
   - : Increase forward playback (2X, 4X, 8X).

4. **Volume**: Volume slider.

   Note: Line-in audio required during original recording in order to hear volume during playback.

5. **Playback Slider**: Move the playback slider to jump forward or backward in the video file.

6. **Still Capture & View mode buttons**: Snapshot & View buttons include the following:
   - : Click to take a screenshot of the DVR Viewer display screen—copy the image to MS Paint, Photoshop or another imaging application.
   - : Click to view in full-screen single channel.
   - : Click to view in Quad split-screen.

Playing Saved Video Files

Use Lorex Client to playback saved/backed up video files copied from the system a USB flash drive.

To playback saved files:

1. Connect a USB flash drive with saved video data to your PC.
2. Launch Lorex Client.
3. Click . In the new window, select the `.VVF` file and click **Open**. The file immediately begins playing (at 1X speed) in DVR Viewer.

   Note: You can also right-click anywhere on the DVR Viewer main window and select **Open file...** or press F2 on your keyboard.

Playback Options

During playback, you have access to the following options:

Playback control buttons: Click any of the buttons along the bottom of the DVR Viewer main window to increase/decrease forward and reverse playback, pause, and play video frame-by-frame.

Change Display Mode On-the-Fly: From the DVR Viewer main window (by default, Quad split-screen mode), double click channels 1~4 to view the respective channel in single-channel. Double-click again to return to Quad mode.

Note: You can also click a channel in Quad mode and then click to view it in single-channel. Click to return to Quad mode.

Playback Slider: Click and drag the slider to jump forward or backward in the file.

Sub-Menu

The sub-menu lets you access several options.

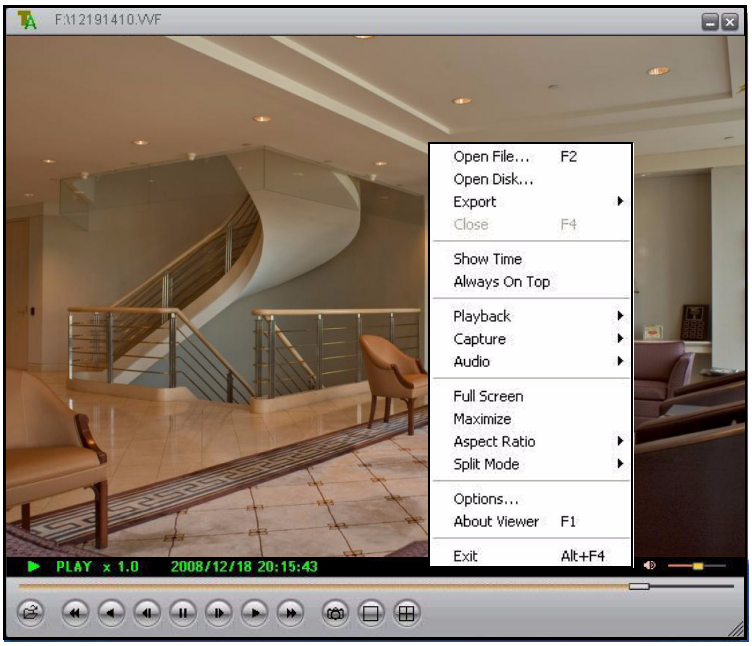


Figure 18.1 Lorex Client sub menu

To open the sub-menu:

1. Right-click anywhere on the main window to open the sub-menu. The sub-menu includes the following:

- **Open File**: Select to open a `.VVF` file
- **Open Disk**: Select to view data from a connected hard drive previously installed in a DVR system (hard drive must be set as slave).
- **Export**: Select to convert the `.VVF` file to an `.AVI` file. AVI files are compatible with media players such a VLC and DiVx.
- **Show Time**: Show/hide the time from all channels during playback.
- **Always On Top**: Keep the Lorex Client window on top of other application windows.
- **Playback**: Open the playback menu (same playback options as on the main window).
- **Capture**: Add markers to save a portion of the saved video as a `.VVF` file. See “Capture” on page 32.
- **Audio**: Volume up/down; Mute on/off.
- **Full-Screen**: View Lorex Client channel display in full screen (controls hidden).
- **Maximize**: View Lorex Client main window in large window (controls along bottom of window).
- **Aspect Ratio**: Set the screen size as either 640x448 or 640x544.
- **Split-Mode**: Set the display mode to Split 1 (single channel) or Split 4 (Quad split-screen).
- **Options**: Select to open the Lorex Client options menu. See “Options” on page 34.
- **About Viewer**: View application infomation for Lorex Client.
- **Exit**: Close Lorex Client.

Capture

Use the capture feature to save a portion of video from the original VVF file.

To capture video:

1. Open Lorex Client. Open a saved video file.
2. During playback, select a portion of the video you want to save. Pause playback.
3. Right-click anywhere on the main window and select Capture>**Marker In**. Play video.
4. Advance the video/select the end-point for the video. Right-click anywhere on the main window and select Capture>**Marker Out**.
5. Right-click anywhere on the main window and select Capture>**Export**.
6. In the Save As dialogue window, select a file name and save location and click **Save**.

   Note: Captured files carry the file extension `.VVF`.

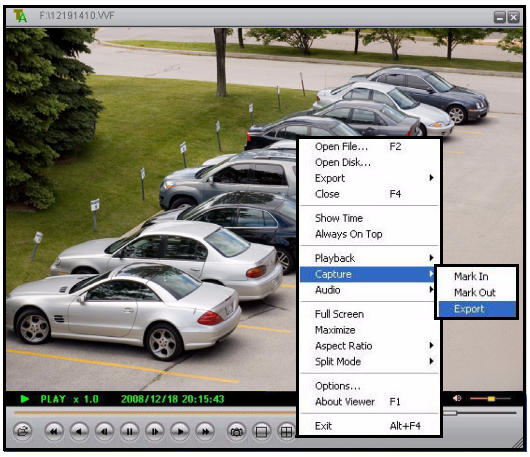


Figure 18.2 Capture sub menu

Please allow a few moments to save the captured video. This could take several moments depending on the size of the capture.

With the captured video now saved to your PC, you can use Lorex Client to export the file as an AVI for greater flexibility of playback among other media players.

Exporting to AVI

Lorex Client allows you export `.VVF` files to `.AVI` for increased flexibilty when playing back the video in third-party media players, such as VLC™ and DivX Player™. Converting the file to AVI can be particularly useful if you need to provide authorities with copies of your video data if there is a security incident at your business or home.

Note: The DivX or XviD codec (not included) is required if viewing AVIs in Windows Media Player™.

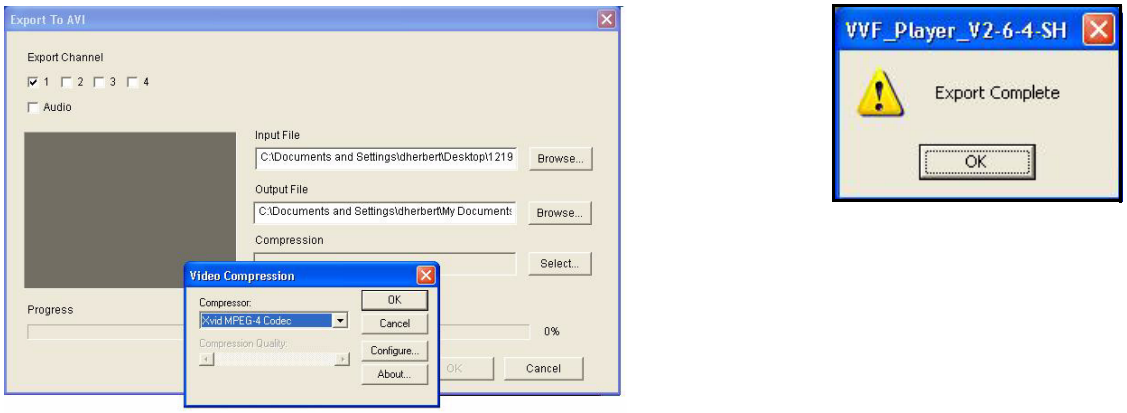


Figure 18.3 Exporting to AVI

To export video files:

1. Open Lorex Client.
2. Right-click anywhere on the main display screen and select Export>**AVI**.
3. In the Export window, under Input File, click **Browse** to select the file to be exported (.VVF).
4. Under Output File, click **Browse** to select a save location for the exported file (by default, output files are saved to the save location as the input file).

   Note: Output files carry the default naming convention, `CAPTURE-CH(channelnumber).avi`.

5. Under Export Channel, check/uncheck the boxes for channels 1~4.
6. Under Audio, check/uncheck the box to include/exclude audio in the file conversion.
7. Under Compression, click **Select**. In the Video Compression window, select a compression type from the drop-down menu and click **OK**. See “Appendix 5: Compression Codecs” on page 41.
8. In the Export window, click **OK**. File conversion begins. Exporting to AVI could take several moments depending on the number of channels being exported, the inclusion of audio, and the size of the original file.

   Note: Depending on your compression type, windows may open windows showing the progress of the file conversion for each channel. When the files are finished exporting to AVI, you can close these windows.

   Note: Lorex Client creates a placeholder file, `dummy.avi` in the Output folder.

Options

Use the Options window to configure general options, on-screen display, and the default path for still capture.

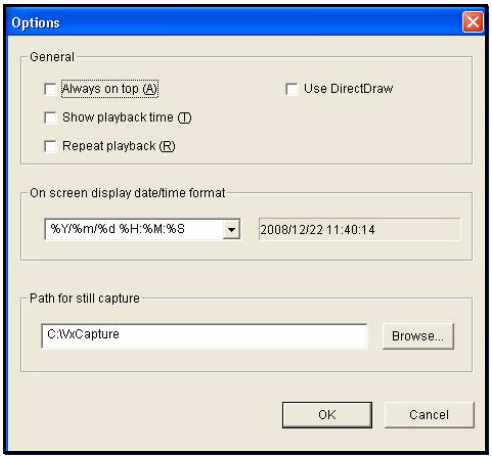


Figure 18.4 Options menu

To configure options:

1. Under General, check/uncheck the boxes to enable/disable the following:
   - **Always on Top**: Keep the Lorex Client window on top of other application windows. *Shortcut Key, A*.
   - **Show playback time**: During playpack, show/hide the date-stamp. *Shortcut Key, T*.
   - **Repeat playback**: Repeat (loop) playback. *Shortcut key, R*.
   - **Use DirectDraw**: Enable/disable DirectDraw to enhance visual quality during playback.

     Note: DirectDraw is part of Microsoft DirectX.
2. Under On screen display date/time format, select your desired format for the date and time from the drop-down menu. For example, yyyy/mm/dd, hh/mm/ss; or Month Day, AM/PM, hh/mm/ss yyyy.
3. Under Path for still capture, click **Browse** to select a save location for the still image bitmap (`.BMP`) files. By default, `C:\VxCapture`.
4. When you are finished, click **OK** to save your settings, or click **Cancel** to exit without saving.

Appendix 1: System Specifications

Description	Specification
Video Format	NTSC / PAL
Operating System	RTOS
VGA Output	VGA
Video Input	4 x BNC (1Vp-p 75 ohms)
Audio Input	1 x RCA line-in
Video Output	1 x BNC (Monitor Out)
Audio Output	1 x RCA line-out
Language	Multi-language
Display Frame	NTSC: 120 fps (4 x 30 fps) PAL: 100 fps (4 x 25 fps)
Recording Frame	NTSC: 60 fps max. PAL: 50 fps max.
Recording Resolution	NTSC: 640x224 PAL: 640x272
Display Resolution	NTSC: 640x448 PAL: 640x544
Compression Format	MJPEG Normal: 12KB/frame; High: 15KB/frame; Highest: 20KB/frame
Hard Disk	3.5" SATA (1 TB max.)
Backup	USB (front panel)
Power Supply	12V DC / 4 A (AC 100V~240V 50/60 Hz)
Dimensions (WxDxH)	220 mm x 228 mm x 48 mm 8.66" x 8.99" x 1.89"
Weight	1.5 kg / 3.31 lbs

As our products are subject to continuous improvement, Lorex Technology Inc. and its subsidiaries reserve the right to modify product design, specifications, and prices without notice and without incurring any obligation.

E&OE

Appendix 2: Full Connectivity Diagram

The following diagram outlines a general set of connections available with the DVR.

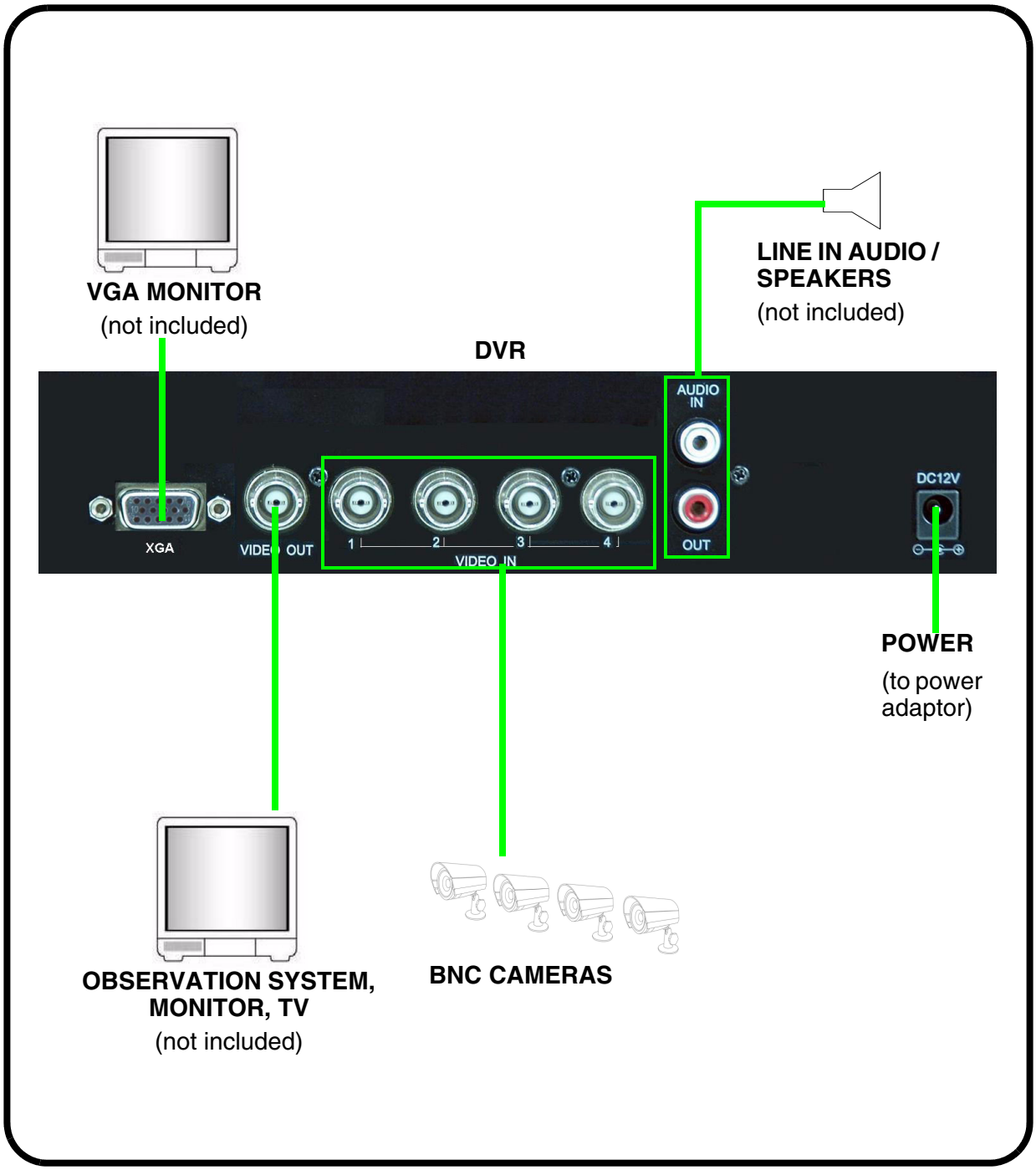


Figure 19.0 Full connectivity diagram

Appendix 3: Using Listen-in Audio

Listen-in audio allows you to listen to, and record live audio on the system.
You can record one audio channel (mono) with an RCA (male) audio cable.

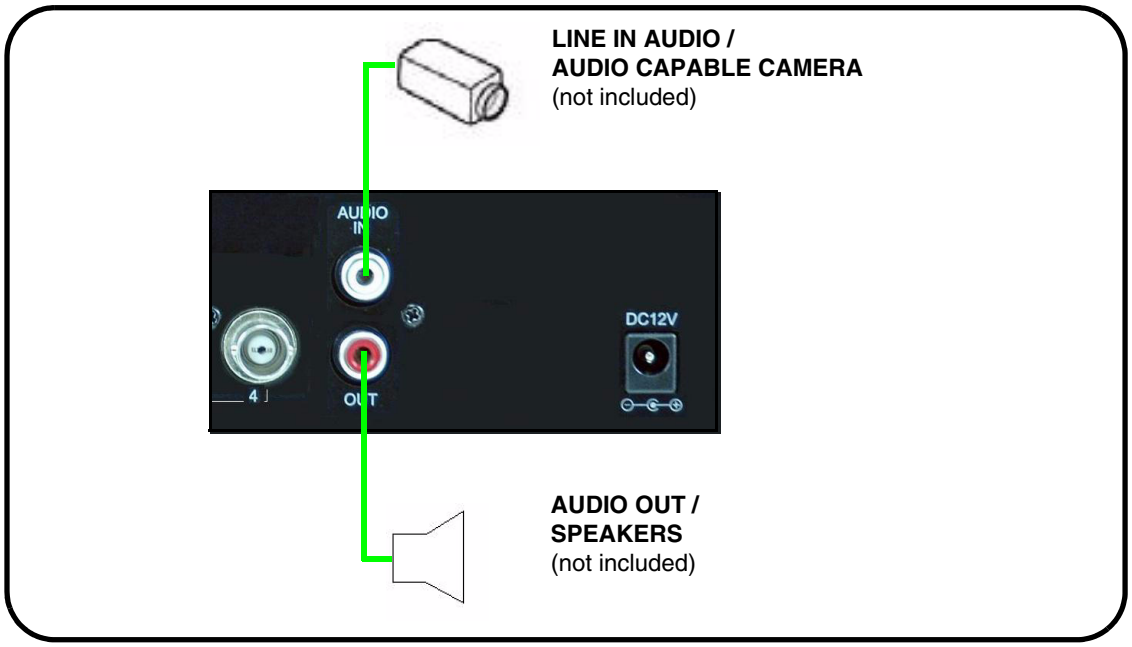


Figure 20.0 Audio connection diagram

To enable listen-in audio:

1. Connect an RCA audio cable (male) from an audio capable camera to the **AUDIO IN** port on the rear panel.
2. Connect an RCA audio out cable (male) to the **AUDIO OUT** port on the rear panel.
3. From the Setup Menu, select **Audio** and press . The Audio menu opens.
4. Select **Record** and press ◀▶ to turn audio recording **On**.
5. Press until the Exit menu appears. Select **Save & Exit** and press to save your settings.

Appendix 4: Replacing the Hard Drive

The system comes with a pre-installed 3.5" SATA hard drive, however the unit will work with a replacement single hard drive (up to 1 TB).

Note: Make sure that the system is **OFF** and the power cable has been disconnected before changing the hard drive.

Removing the Hard Drive

To remove the hard drive:

1. Remove seven screws from the cover of the housing: three from the top half of each side panel; one from the top near the rear panel.
2. Gently lift off the cover.
3. With your hand supporting the hard drive, turn the unit upside down. Remove the four mounting screws from the bottom of the unit. Turn the unit right side up.
4. Disconnect the power and data cables.
5. Remove the hard drive.

Note: Make sure to keep the two sets of screws (cover, mounting) in a safe place.

Figure 21.0 Remove seven screws from cover

Figure 21.1 Remove cover.

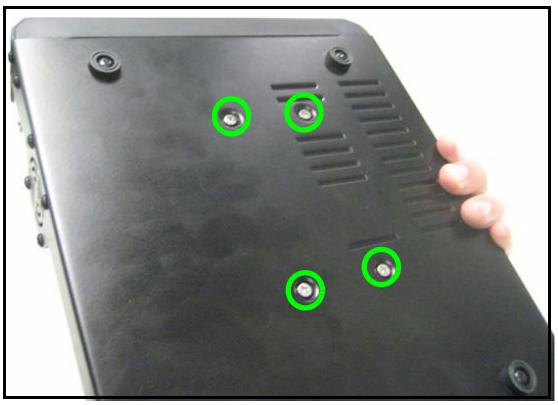


Figure 21.2 Support the HDD with your hand and remove mounting screws.

Figure 21.3 Carefully remove the HDD from housing.

Replacing the Hard Drive

To replace the hard drive:

1. Firmly connect the power and data cables to the replacement SATA hard drive—each cable can only connect in one way.

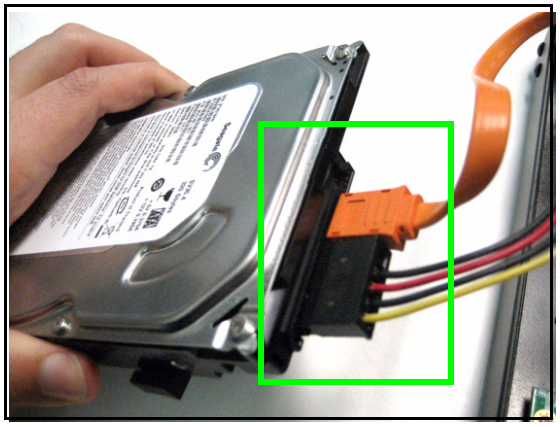


Figure 21.4 Connect the power and data cables.

2. Carefully place the hard drive in the housing.

   Note: Make sure not to damage any of the cables when placing the hard drive in the housing.

   Note: Make sure no cables are caught beneath the drive.

3. With your hand supporting the hard drive, turn the housing upside down: replace the four screws on the bottom of the housing.
4. Turn the housing right side up. Replace the cover, making sure to slide the cover toward the front panel until flush.
5. Replace the screw on the top panel (x1) and side panels (x6).
6. Reconnect all cameras and cables.
7. Power on the system. If you have installed a new hard drive, you must format the drive before using the system.

   Note: The system will detect the hard drive a few seconds after powering on the system. The system will prompt you if the hard drive is not detected.

Formatting the Hard Drive

Use Hard Disk Setup in the System menu to format the internal hard drive.

Note: You must stop recording before attempting to format the hard drive.

ATTENTION: Formatting *erases all recorded video data* on the hard drive. Formatting **cannot be undone.**
System settings are not affected by fornatting.

To format the hard drive:

1. Open the Setup menu. Select System and press . The System menu opens.
2. From the System menu, select Hard Disk Setup and press .
3. Select **Format HDD** and press ◀▶.
4. Enter your **6-character system password**. The system begins formatting the hard drive. This could take several moments depending on the size of your system's hard drive.

Once formatting is complete, the system will return to Live Mode.

Appendix 5: Compression Codecs

When exporting a .VVf file to .AVI, you can choose any of the following codecs for compression:

- Cinepak Codec by Radius
- Intel 4:2:0 Video V2.50
- Intel Indeo(R) Video R3.2
- Intel IYUV Codec
- Microsoft RLE
- Microsoft Video 1
- Microsoft H.263 Video Codec
- Microsoft H.261 Video Codec
- Indeo® Video 5.10
- Sunplus 32-bit Compressor
- DivX® 6.1.1 Codec (1 Logical)
- DivX® 6.1.1 YV12 Decoder
- Xvid MPEG-4 Codec
- Full Frames (uncompressed)

Note: Video Codecs for playback are *NOT* supplied with this software. Codecs can be downloaded from such sites as www.microsoft.com or www.divx.com

Troubleshooting

When a malfunction occurs, it may not be serious and can be corrected easily. The following describes the most common problems and solutions. Please refer to the following before calling Lorex Technical Support:

	Possible Causes	Solutions
• DVR Unit is not receiving power, or is not powering up	• Cable from power adaptor is loose or is unplugged	• Confirm that all cables are connected correctly • Confirm that the power adaptor is securely connected to the back of the unit

	• Cables are connected, but DVR unit is not receiving sufficient power	• Confirm that the unit is powered on (LED indicators on the front should be ON)
		• If the unit is connected through a power bar or surge protector, try bypassing the bar and connecting the power directly to the wall outlet
		• Confirm that there is power at the outlet:
		  • Connecting the power cable to another outlet
		  • Test the outlet with another plugged device (such as an electric calculator or phone charger)

• Remote control is not detected by the system	• Batteries in the remote control are drained	• Install a fresh CR2025 lithium battery in the remote control
•	• There are no batteries in the remote control	
• Hard drive is not detected by the system	• Hard drive cables are loose or not properly connected	• Remove the houseing and check that hard drive cables are firmly connected
	• There is no hard drive in the system	• Open the housing and install a 3.5" SATA hard drive
Hard drive is full (0%) and the unit is no longer recording	• Overwrite is not enabled	• Turn Overwrite on. Setup>System>Hard Disk Setup.

Troubleshooting (cont'd.)

Error	Possible Causes	Solutions
• There is no picture on selected channels / camera picture is not being displayed	• Camera cables are loose or have become disconnected	• Check the camera video cable and connections • Disconnect and reconnect the cable at the DVR and at the Camera • Try moving the camera to another channel or use another cable
• The image on the DVR appears, but does not have sound	• Audio cables are loose or have been disconnected	• Check the AUDIO connections to the DVR
	• Audio channels are disabled in the system menu	• Check the Configurations: Setup Menu>Audio
	• Volume on external speakers (not included) is low or off	• Increase volume on external speakers (not included)

Revision 1.0

LOREX PRODUCT LIMITED WARRANTY

Lorex warrants, to the original retail purchaser only (the "Purchaser"), that this item (the "Product") if properly used and installed, and where applicable, the CD-ROM on which the accompanying software is provided, is free from manufacturing defects in material and workmanship, provided the Product is used in normal conditions and is installed and used in strict accordance with the instructions contained.
This warranty shall be for the following warranty periods (the "Warranty Period"), commencing on the date the Purchaser buys the Product at retail in an unused condition.

Parts and Labor: *1 year (Warranted parts do not include Bulbs, LED's and Batteries)*

Lorex's obligations under this warranty shall be limited to
• The repair and or replacement of the product by means of hardware and/or software (at option of Lorex);
• The replacement of any warranted parts found by Lorex to be defective in the Product or, in Lorex's sole discretion, the replacement of the Product found be Lorex to be defective.
• If Lorex is unable to repair or replace the Product or CD-ROM, refund the then-current value of the Product.
Any replacement parts furnished by Lorex in connection with this warranty shall be warranted to the Purchaser for a period equal to the un expired portion of Warranty Period for the Product.

Warranty Exclusions
This warranty does not apply to Bulbs, LED's and Batteries supplied with or forming part of the product.
This warranty is invalidated if other than Lorex accessories are or have been used in or in connection with the Product or in any modification or repair is made to the Product by other than a service depot authorized by Lorex.

This warranty does not apply to defects or damages arising by use of the Product in other than normal (including normal atmospheric, moisture and humidity) conditions or by installation or use of the Product other than in strict accordance with the instructions contained in the Product's Owner's Manual.
This warranty does not apply to defects in or damages to the Product caused by (i) negligent use of the Product, (ii) misuse, abuse, neglect, alteration, repair or improper installation of the Product, (iii) electrical short circuits or transients, (iv) Purchaser usage not in accordance with product installation, (v) use of replacement parts not supplied by Lorex (vi) improper Product maintenance, or (viii) accident, fire, flood or other Acts of God.

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This warranty shall not apply to the appearance or accessory items including, but not limited to cabinets, cabinet parts, knobs etc., and the uncrating, setup, installation or the removal and reinstallation of products after repair.

Lorex does not make any claims or warranties of any kind whatsoever regarding the Product's potential, ability or effectiveness to prevent minimize, or in any way affect personal or property damage or injury. Lorex is not responsible for any personal damage, loss or theft related to the Product or to its use for any harm, whether physical or mental related thereto. Any and all claims or statements, whether written or verbal, by salespeople, retailers, dealers or distributors to the contrary are not authorized by Lorex, and do not affect this provision of this warranty.

Lorex's responsibility under this, or any other warranty, implied or expressed, is limited to repair, replacement or refund, as set forth above. These remedies are the sole and exclusive remedies for any breach of warranty. Lorex is not responsible for direct, special, incidental, or consequential damages resulting from any breach of warranty or under any other legal theory including but not limited to, loss profits, downtime, goodwill, damage to or replacement of equipment and property and any costs of recovering, reprogramming or reproducing any program or data stored in or used with a system containing the Product CD-ROM or accompanying software.

Lorex does not warrant that the software will operate with any other software except that which is indicated. Lorex cannot be responsible for characteristics of third party hardware or software which may effect the operation of the software included.

The purchaser may have other rights under state, provincial, or federal laws and where the whole or part of any item of this warranty is prohibited by such laws, it shall be deemed null and void, but the remainder of the warranty shall remain in effect.
All expressed and implied warranties are limited in duration to the limited warranty period. No warranties apply after that period. Some states do not allow limitation on how long an implied warranty lasts, so this limitation may not apply to you. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above warranty may not apply to you. This limited warranty gives you specific legal rights and you may also have other rights that vary from state to state.

Obtaining Service

In order to obtain service, please make sure that you have registered your product on-line (www.lorexcctv.com) in the warranty registration section. Should the Product require service under this warranty, the Purchaser must provide Lorex with a copy of his/ her original, dated bill of sale; receipt or invoice, failing which Lorex will not perform any of its obligations under this warranty. If you return the Product and/or CD-ROM to Lorex, you must assume the risk of damage or loss during shipment. You must use the original packaging or the equivalent, and you must pay postage.
To claim on this warranty, proceed with the following steps.

1 Pack the Product in a well-padded sturdy carton.
2. i). If the unit was purchased in the United States proceed as follows:
a. Please contact our customer service department to obtain a return authorization number.
b. Return the unit to: Lorex Service Center
2375 Hadley Rd, Plainfield, IN 46168

ii). If the unit was purchased in Canada proceed as follows:
a. Please contact our customer service department to obtain a return authorization number.
b. Return the unit to: Lorex Service Center.
300 Alden Road, Markham, Ont. L3R 4C1

iii) If the unit was purchased in Europe please visit:

www.lorexinternational.com for return instructions.

TOLL FREE CUSTOMER SUPPORT
North America: 1-888-42-LOREX (1-888-425-6739)
Local: 905-940-5355
International: 800-42-LOREX 0 (800-425-67390)
www.lorexcctv.com

Always use discretion when installing video and/or audio surveillance equipment especially when there is perceived privacy. Inquire regarding federal, state and/or local regulations applicable to the lawful installation of video and or audio recording or surveillance. Party consent may be required.

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Cette garantie couvrira la période mentionnée ci-dessous (ci-après désignée comme étant la "période de garantie"), commençant le jour où l'acheteur se procure le produit à l'état neuf dans un magasin au détail.
Pièces et main-d'oeuvre : *1 année (les pièces couvertes n'incluent pas les ampoules, voyants à DEL ni les piles).*
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- Le remplacement des pièces sous garantie que Lorex estime être défectueuses dans le produit ou le disque CD-ROM ou, à sa seule discrétion, le remplacement du produit jugé défectueux.
- Si Lorex ne peut réparer ni remplacer le produit ou le disque CD-ROM, rembourser la valeur monétaire du produit ou du disque CD-ROM en cours au moment de l'achat.

Toutes les pièces remplacées par Lorex seront couvertes pendant la période résiduelle de la garantie dudit produit.

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Pour obtenir du service, veuillez vous assurer que vous avez inscrit votre produit en ligne (www.lorexcctv.com) dans la section d'abonnement à la garantie. Cette garantie ne couvre pas les ampoules, voyants à DEL ni les piles incluses avec le produit ou faisant partie de celui-ci.
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Cette garantie ne s'applique pas aux défauts ni aux dommages survenus suite à une utilisation anormale du produit (incluant des conditions atmosphériques et des taux d'humidité anormaux) ou suite à une installation ou une utilisation du produit autre que celle décrite dans le guide accompagnant le produit.

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Cette garantie ne couvre pas la performance ni la fonctionnalité de tout logiciel informatique inclus avec le produit. Cette garantie ne couvre pas les défauts que pourrait contenir le support optique (disque CD-ROM) ou magnétique (disquette), tel qu'un CD-ROM brisé ou comportant un défaut qui l'empêcherait d'être lu adéquatement par le lecteur de disque de votre ordinateur. Lorex ne garantit pas que le logiciel fourni avec le produit fonctionnera sans interruption ni qu'il sera libre de tout défaut, d'erreurs ou de 'bogues'. Lorex ne garantit pas le logiciel inclus à moins que cela ne le soit mentionné spécifiquement dans l'entente de la licence incluse avec le produit. Cette garantie ne couvre pas les frais se rapportant à l'enlèvement ni à la réinsertion de tout produit, logiciel, périphérique ou disque CD-ROM installé sur votre ordinateur.

Lorex se réserve le droit de modifier la conception ou d'apporter des ajouts ou des améliorations à ses produits, sans obligation de sa part de modifier les produits déjà fabriqués. Lorex fera tout en son pouvoir pour fournir des améliorations et des réparations à son logiciel via son site web.
Cette garantie ne couvre pas les altérations ni les dommages effectues tout autre logiciel, ni les bogues pouvant résider de fa on permanente sur le système de l'utilisateur suite l'installation du logiciel ci-inclus.

Cette garantie a préséance sur toutes les autres garanties tacites ou explicites, incluant la garantie en qualité loyale et marchande et les aptitudes visant toute autre obligation ou responsabilité de la part de Lorex, et par les présentes, Lorex n'autorise aucune personne ni entité à assumer pour elle nulle autre responsabilité en rapport avec la vente de ce produit. Lorex ne sera pas tenue responsable, en aucune circonstance, des dommages-intérêts directs ou indirects survenant de l'utilisation du produit ou suite au mauvais fonctionnement ou à l'absence de fonctionnement dudit produit, ainsi que pour tout délai dans l'exécution de cette garantie suite à des circonstances hors du contrôle de Lorex.

Lorex ne garantit d'aucune manière l'apparence extérieure du produit, ni les pièces ou accessoires incluant, mais ne s'y limitant pas, le boîtier, les pièces du boîtier, les boutons, etc., ainsi que le déballage, l'installation, l'enlèvement et la réinstallation du produit après une réparation.

Lorex ne garantit pas et ne fait aucune revendication en ce qui a trait au potentiel, à la capacité ou l'efficacité de prévenir, réduire ou d'une façon quelconque, d'influer sur les dommages à la propriété privée ou sur les blessures corporelles. Lorex ne sera pas tenue responsable des blessures corporelles, dommages à la propriété personnelle, perte ni au vol se rapportant de près ou de loin au produit ou son usage dans un cadre malveillant, qu'il soit physique ou mental. Lorex n'autorise aucunement les représentants, détaillants ou grossistes, à faire des revendications ou des énoncés de la part de Lorex, tant par voie écrite que verbale et ces énoncés n'influent d'aucune manière sur les clauses de cette garantie.

La seule responsabilité de Lorex, selon les termes de cette garantie, qu'ils soient tacites ou explicites, se limite à une réparation, un remplacement ou un remboursement, selon les clauses décrites dans les présentes. Ces recours constituent les seuls auxquels a droit l'acheteur pour les bris des clauses de la garantie. Lorex ne sera pas responsable des dommages-intérêts spéciaux, directs ou indirects, qui résulteraient d'un bris des clauses de cette garantie ou de toute autre convention législative, incluant mais ne s'y limitant pas, les pertes de profits, pannes de courant immobilisant des équipements, la valeur ajoutée des biens incorporels, les dommages effectués au produit et à la propriété ou les coûts reliés à leur remplacement, ainsi que les frais de recouvrement, reprogrammation ou reproduction d'un programme ou des données stockées dans un système contenant le disque CD-ROM du produit ou le logiciel qui accompagne celui-ci.
L'acheteur peut bénéficier de certains droits provinciaux ou fédéraux additionnels et toute clause de cette garantie qui soit prohibée par de telles lois sera jugée nulle et sans effet mais les autres clauses demeureront en vigueur.

Lorex ne garantit pas que ce logiciel fonctionnera conjointement avec tout autre logiciel ou suite logicielle, ˆ moins que cela ne soit indique. Lorex ne sera pas tenue responsable des caractéristiques ni des fonctions du matériel ou des logiciels d'un tiers pouvant entrer en conflit avec le fonctionnement du logiciel ci-inclus.

Toutes les garanties tacites ou explicites se limitent à la durée de la garantie limitée. Aucune garantie ne sera applicable après cette période de temps. Certains états ou provinces ne permettent pas de restrictions en ce qui a trait aux termes d'une garantie tacite, ni d'exclusions aux dommages-intérêts directs ou indirects et il se peut que ces restrictions ne s'appliquent pas à vous. Cette garantie donne à l'acheteur original des droits spécifiques et il se peut que d'autres droits, variant d'un état ou d'une province à l'autre, puissent lui être conférés.

Obtention du service
Si l'acheteur a besoin de service pour son produit, selon les termes de cette garantie limitée, il doit fournir à Lorex une copie de la facture d'achat affichant clairement la date et l'endroit où le produit a été acheté. Sans cette preuve d'achat, Lorex ne sera pas dans l'obligation de remplir ses obligations envers l'acheteur. Si vous retournez le produit et/ou le disque CD-ROM à Lorex, vous devez assumer le risque que ceux-ci soient endommagés ou perdus au cours de l'expédition. Vous devez emballer le produit dans sa boîte originale ou un emballage adéquat et vous devez défrayer les coûts d'expédition à l'une des adresses mentionnées ci-dessous.
Pour bénéficier du service sous garantie, vous devez suivre les étapes ci-dessous :

1. Emballez le produit dans une boîte solide et remplie de matériau d'expédition.
2. i) Si l'appareil a été acheté aux États-Unis, suivez ces étapes-ci :
   a. Veuillez contacter notre département de service à la clientèle pour obtenir un numéro d'autorisation pour le retour.
   b. Retournez le produit à : Lorex Customer Service
      2375 Hadley Rd, Plainfield, IN 46168
   ii) Si l'appareil a été acheté au Canada, suivez ces étapes-ci :
   a. Veuillez contacter notre département de service à la clientèle pour obtenir un numéro d'autorisation pour le retour.
   b. Retournez le produit à : Lorex Customer Service
      300 Alden Road, Markham, ON L3R 4C1
   iii) Si l'unité a été achetée dans Europe veuillez visiter : www.lorexinternational.com pour les instructions de retour

COMPOSEZ LA LIGNE D'ASSISTANCE SANS FRAIS AUS CONOMMATEURS:
L'Amérique du nord: 1-888-42-LOREX (1-888-425-6739)
Local : 905-940-5355
International : 800-42-LOREX 0 (800-425-67390)
www.lorexcctv.com

Soyez toujours très discret lorsque vous installez des systèmes de surveillance, surtout dans les endroits plus retirés. Informez-vous au sujet des lois et règlements municipaux, provinciaux ou fédéraux qui s'appliquent à l'installation d'appareils de surveillance audio et vidéo. Il se peut que le consentement de la partie surveillée soit exigé.

GARANTÍA LIMITADA DEL PRODUCTO LOREX

Lorex garantiza, sólo al comprador original al por menor (el "Comprador") que este artículo (el "Producto"), si se usa e instala debidamente, y – si hay lugar - el CD-ROM en el que se proporciona el software asociado, está libre de defectos de fabricación en materiales y mano de obra, sujeto a que el Producto sea usado en condiciones normales y que sea instalado y usado estrictamente de acuerdo con las instrucciones contenidas.
Esta garantía será para los siguientes períodos de garantía (el "Período de Garantía"), a partir de la fecha en que el Comprador adquiera el Producto al por menor en la condición de no haber sido usado previamente.
Repuestos y Mano de Obra: 1 año (Las piezas garantizadas no incluyen bombillas, LEDs y baterías)
Las obligaciones de Lorex bajo esta garantía estarán limitadas a:

- la reparación o el reemplazo del producto por medio de hardware y/o software (a opción de Lorex).
- el reemplazo de cualquier parte garantizada que Lorex determine que está defectuosa en el Producto o CD-ROM o, por decisión única de Lorex, al reemplazo del Producto que Lorex encuentre defectuoso.
- Si a Lorex no le es posible reparar o reemplazar el Producto o el CD-ROM, se devolverá el valor vigente en ese momento del Producto o CD-ROM.

Se garantizará al Comprador cualquier pieza de repuesto provista por Lorex en conexión con esta garantía por un período igual a la parte no vencida del Período de Garantía del Producto.

Exclusiones de la garantía
Esta garantía no se aplica a las bombillas, LEDs y baterías suministradas con el producto o que formen parte del mismo.
Esta garantía quedará nula si se han usado accesorios que no son Lorex en el Producto o en relación con el mismo o si se hace alguna modificación o reparación al Producto en algún taller que no sea un local de servicio autorizado por Lorex.

Esta garantía no se aplica a defectos o daños resultantes del uso del producto en condiciones diferentes a las normales (incluyendo condiciones atmosféricas o de humedad normales) o por la instalación o uso del Producto en forma distinta a seguir estrictamente las instrucciones contenidas en el Manual del Propietario del Producto.

Exclusiones de la garantía
Esta garantía no se aplica a las bombillas, LEDs y baterías suministradas con el producto o que formen parte del mismo.
Esta garantía quedará nula si se han usado accesorios que no son Lorex en el Producto o en relación con el mismo o si se hace alguna modificación o reparación al Producto en algún taller que no sea un local de servicio autorizado por Lorex.

Esta garantía no se aplica a defectos o daños resultantes del uso del producto en condiciones diferentes a las normales (incluyendo condiciones atmosféricas o de humedad normales) o por la instalación o uso del Producto en forma distinta a seguir estrictamente las instrucciones contenidas en el Manual del Propietario del Producto.

Esta garantía no se aplica a defectos o daños al Producto causados por (i) uso negligente del Producto, (ii) mal uso, abuso, negligencia, alteración, reparación o instalación incorrecta del Producto, (iii) cortocircuitos o corrientes eléctricas transitorias, (iv) uso por el Comprador que no está de acuerdo con la instalación del producto, (v) uso de piezas de repuesto no suplidas por Lorex (vi) inadecuado mantenimiento del Producto, o (vii) accidente, incendio, inundación u otros accidentes naturales.

Esta garantía no cubre el rendimiento o funcionalidad de ningún software de computadora incluido en el paquete con el Producto. Esta garantía sólo cubre defectos en el material de CD-ROM, tal como roturas o defectos en el CD-ROM que impida que sea leído por la unidad de CD-ROM de su computadora personal. Lorex no garantiza que el software provisto con el Producto funcione sin interrupción o que de otra forma esté libre de anomalías, errores o "bugs". Lorex no ofrece ninguna garantiza con respecto a algún software provisto con el equipo a menos que específicamente se establezca de otra forma en un acuerdo de licencia que acompañe a dicho software.
Esta garantía no cubre ningún costo relativo a la remoción o reemplazo de algún Producto, CD-ROM, o software instalado en su computadora.
Lorex se reserva el derecho de hacer cambios en el diseño o hacer adiciones o mejoras a sus productos sin incurrir en ninguna obligación de modificar algún producto que ya haya sido fabricado.
Lorex tratará en lo posible de proporcionar actualizaciones y arreglos a su software por medio de su página en la red.
Esta garantía no cubre ninguna alteración ni daño a algún otro software que pueda ser instalado o pueda quedar instalado en el sistema del usuario como resultado de la instalación del software provisto.
Esta garantía es el reemplazo de otras garantías, expresas o implícitas, y Lorex no asume ni autoriza a ninguna persona a asumir por ella ninguna obligación en relación con la venta o servicio del producto. En ningún caso Lorex será responsable por ningún daño o perjuicio especial o consecuente resultante del uso del Producto o de su mal funcionamiento o incapacidad de funcionar, o por cualquier demora en la atención de esta garantía debida a causas fuera de su control.

Esta garantía no se aplicará a la apariencia o artículos accesorios incluyendo, sin estar limitado a ellos, gabinetes, piezas de gabinetes, perillas, etc., y el desembalaje, instalación, configuración, o remoción y reinstalación del producto después de ser reparado.

Lorex no hace ninguna de cada declaración ni garantía de ninguna clase con respecto al potencial, capacidad o eficacia del Producto para evitar, minimizar o en alguna forma afectar a los daños o lesiones personales o a la propiedad. Lorex no es responsable por ningún daño personal, siniestro o robo relacionado con el Producto o a su uso para cualquier daño, sea físico o mental relacionado con el mismo. Cualquier afirmación o declaración, sea escrita o verbal, hecha por vendedores, minoristas o distribuidores en sentido contrario no es autorizada por Lorex y no afecta esta disposición de esta garantía.
La responsabilidad de Lorex según ésta o cualquier otra garantía, implícita o explícita, está limitada a la reparación, reemplazo o reembolso, como se establece anteriormente. Estas compensaciones son el único y exclusivo remedio por cualquier incumplimiento de garantía. Lorex no es responsable por daños y perjuicios directos, especiales, incidentes, o consecuentes resultantes de algún incumplimiento de garantía o bajo cualquier otra teoría legal, incluyendo pero sin estar limitada a: pérdida de utilidades, paralización, plusvalía, daños o reemplazo de equipos y propiedad y cualquier costo de recuperar, reprogramar o reproducir cualquier programa o datos almacenados o usados con un sistema que contenga el CD-ROM del Producto o el software que lo acompaña.

Lorex no garantiza que el software operará con ningún otro software excepto con el que se indica. Lorex no puede ser responsable de las características de hardware o software de terceras personas que puedan afectar la operación del software incluido.

El comprador puede tener otros derechos de acuerdo con las leyes federales, provinciales o estatales y cuando toda esta garantía o parte de la misma sea prohibida por dichas leyes, será considerada nula, pero el resto de la garantía permanecerá vigente.
Todas las garantías expresadas e implícitas están limitadas en duración al período de garantía limitada. Ninguna garantía se aplicará después de dicho período. Algunos estados no permiten limitación a la duración de una garantía implícita, de modo que esta limitación puede no serle de aplicación. Algunos estados no permiten la exclusión o limitación de daños y perjuicios incidentes o consecuentes, por lo que la garantía anterior puede no serle de aplicación. Esta garantía limitada le otorga derechos legales específicos y usted puede también tener otros derechos que varía de un estado a otro.
Cómo obtener servicio

Con el fin de obtener servicio, por favor asegúrese de registrar haber registrado su producto en nuestra pagina web www.lorexcctv.com en la sección de registro de garantía. Si el Producto necesitase servicio bajo esta garantía, el Comprador debe hacer llegar a Lorex una copia del recibo o factura de compra, con su fecha respectiva, sin lo cual Lorex no estará obligada a cumplir con ninguna de sus obligaciones bajo esta garantía. Si devuelve el Producto y/o el CD-ROM a Lorex, debe usted asumir el riesgo de daño o pérdida durante el envío. Debe usar el envase original o equivalente y debe pagar el flete.
Para hacer un reclamo bajo esta garantía, proceda con los siguientes pasos.

1. Empaque el Producto en una caja robusta bien acolchada.
2. i). Si la unidad fue comprada en Estados Unidos proceda en la siguiente forma:
1.
a. Para devoluciones por favor contacte nuestro departamento de servicio para obtener un número de autorización
b. Devuelva la unidad a: Lorex Customer Service
   2375 Hadley Rd, Plainfield, IN 46168

ii). Si la unidad fue comprada en Canadá proceda en la siguiente forma:
a. Para devoluciones por favor contacte nuestro departamento de servicio para obtener un número de autorización.
b. Devuelva la unidad a: Lorex Customer Service.
   300 Alden Road, Markham, Ont. L3R 4C1

iii) Si la unidad fue adquirida en Europa y desea devolver el producto por favor visite: www.lorexinternational.com para obtener instrucciones.

NUMERO GRATUITO DE SERVICIO A CLIENTES:
Norteamérica: 1-888-42-LOREX (1-888-425-6739)
Internacional: 800-42-LOREX 0 (800-425-67390)
Local : 905-940-5355

www.lorexcctv.com

Use siempre discreción cuando instale equipo de vigilancia por video y/o audio especialmente cuando se percibe privacidad. Consulte acerca de las regulaciones federales, estatales y /o locales aplicables a la instalación legal de equipos de grabación o vigilancia por video y/o audio. Puede requerirse el consentimiento de las partes.

It's all on the Web!

Tout est sur le Web!

¡Todo está en la Web!

Product Information
Information sur le produit
Información acerca del producto

User Manuals
Guides de l'utilisateur
Guías del usuario

Quick Start Guides
Guides de démarrage rapide
Guías de arranque rápido

Specification Sheets
Fiches signalétiques
Fichas de especificaciones

Software Upgrades
Mises à jour du logiciel
Actualizaciones del programa

Firmware Upgrades
Mises à jour du micro-logiciel
Actualizaciones del microprograma

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